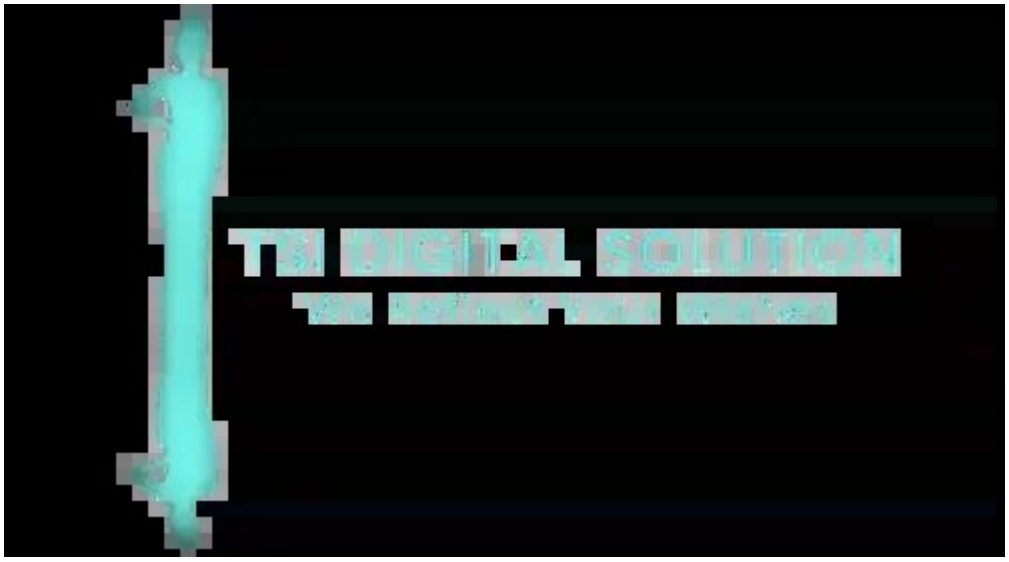
What is HTML

Category: Websites Blog
August 21, 2024





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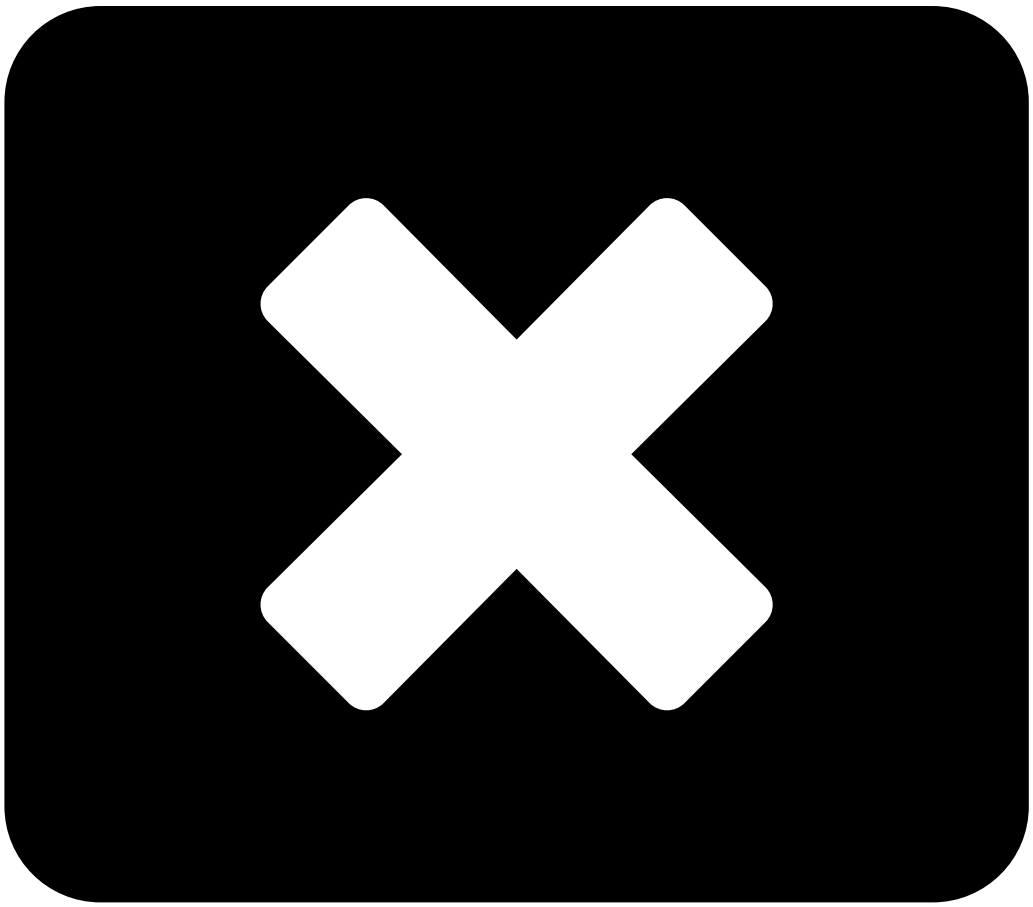

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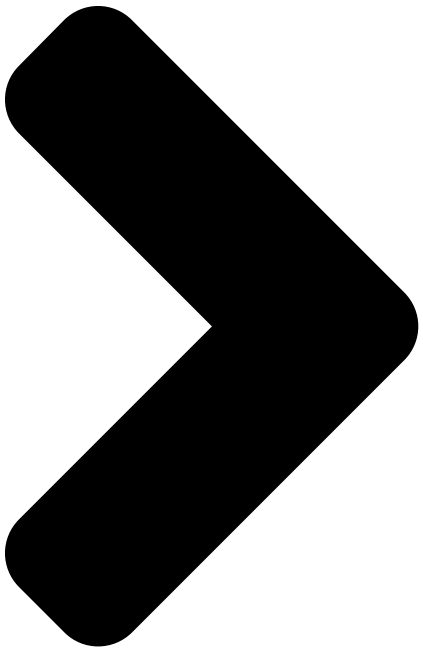

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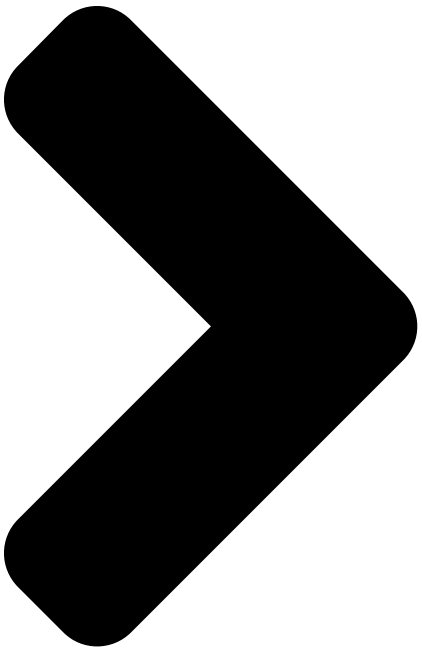

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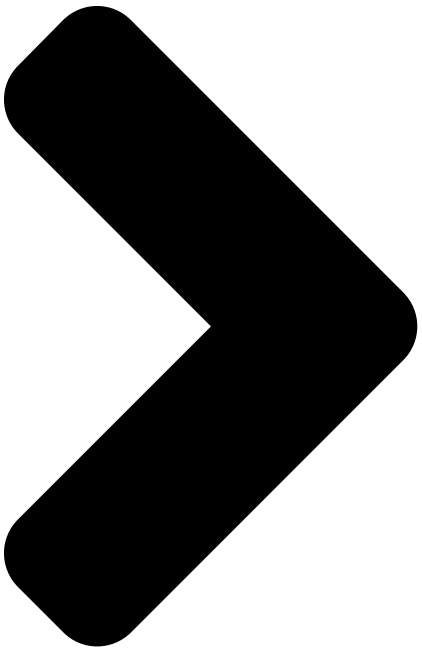

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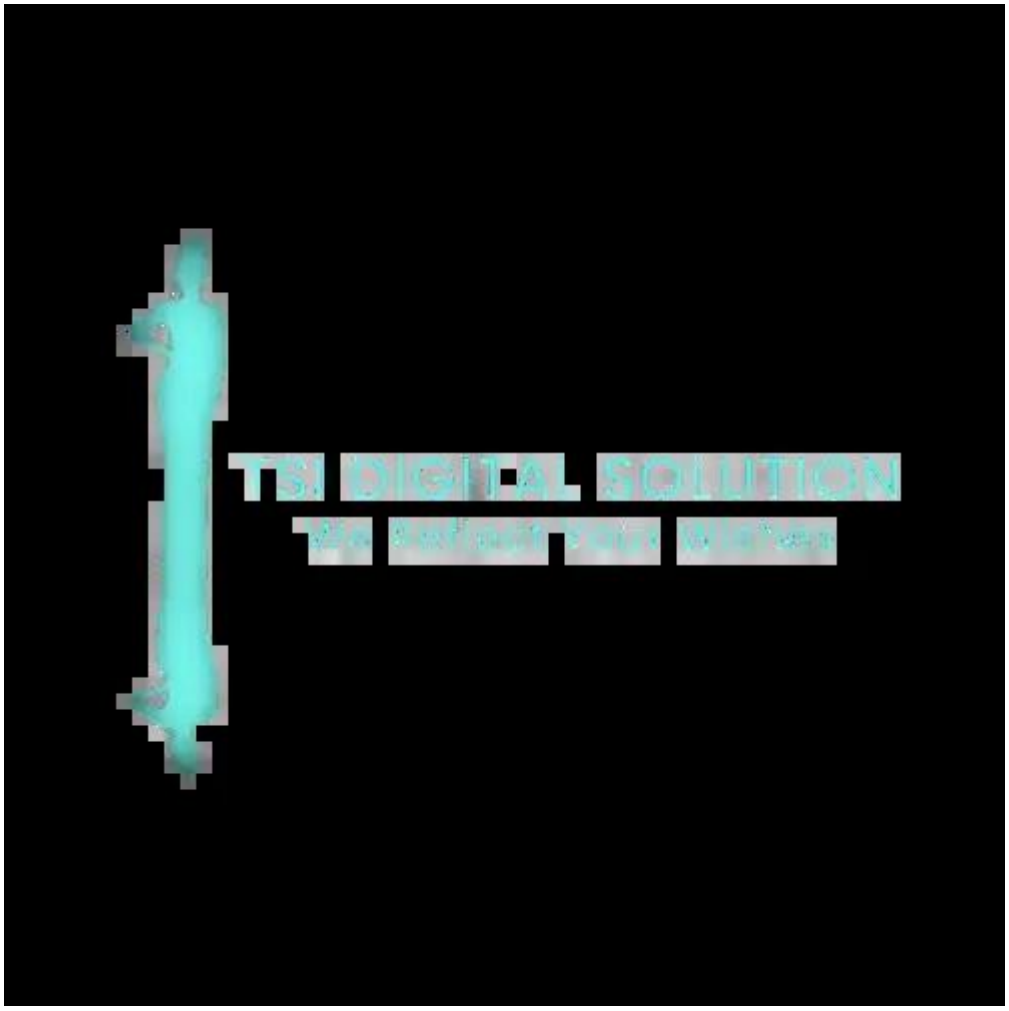
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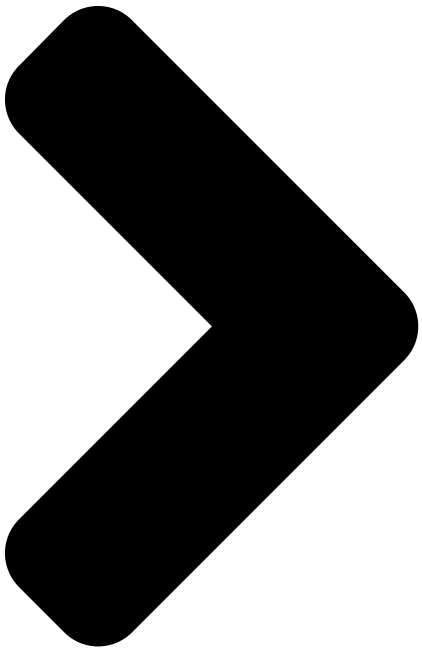

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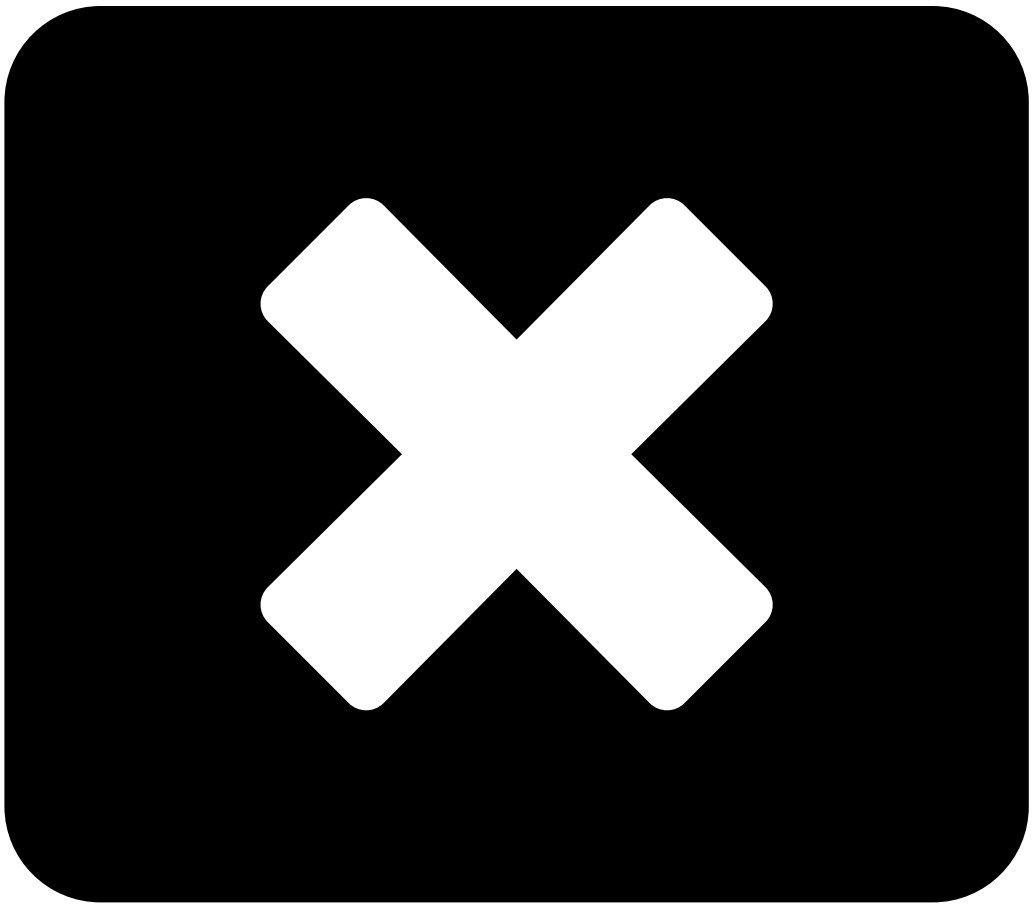

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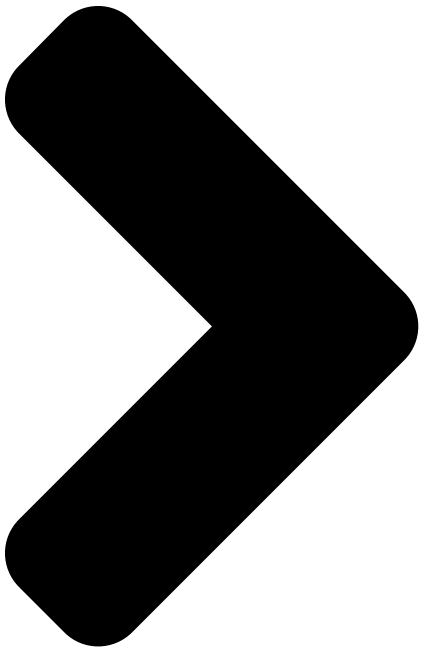

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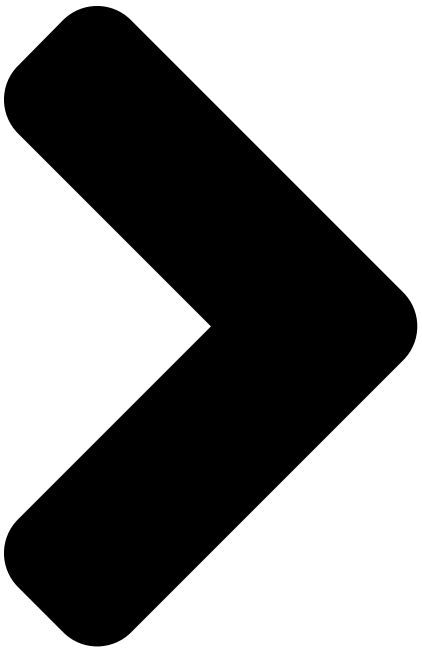

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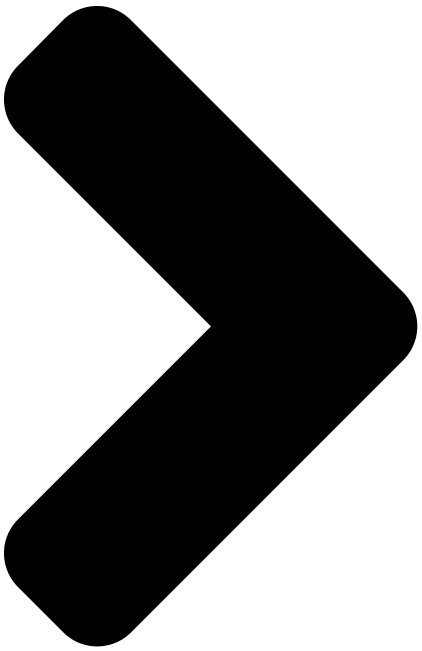

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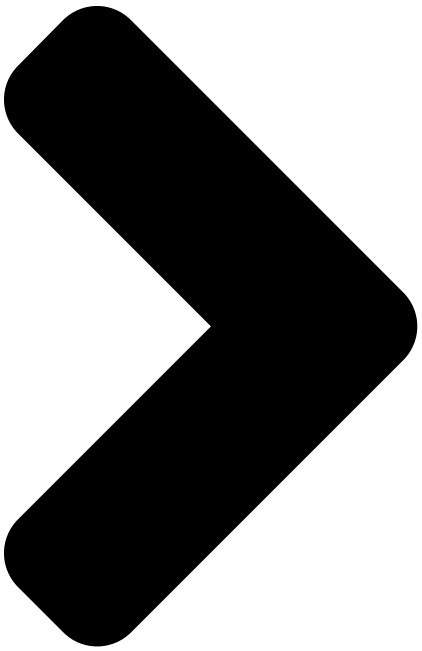

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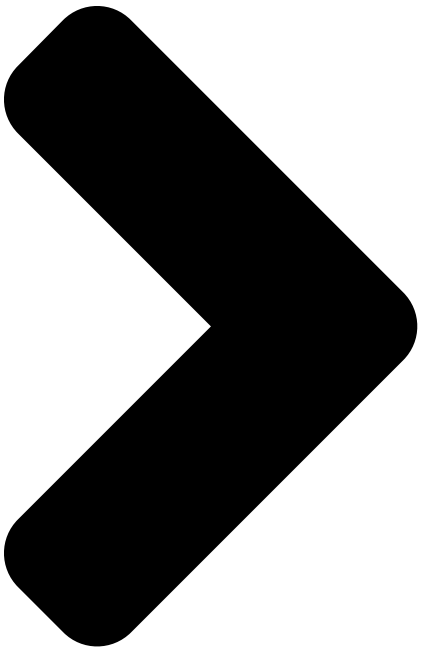

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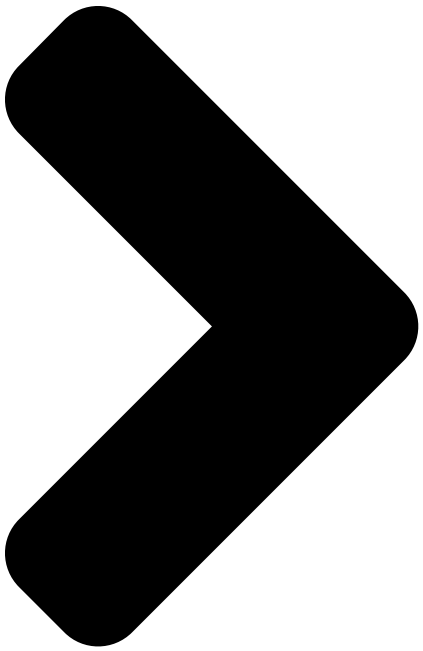

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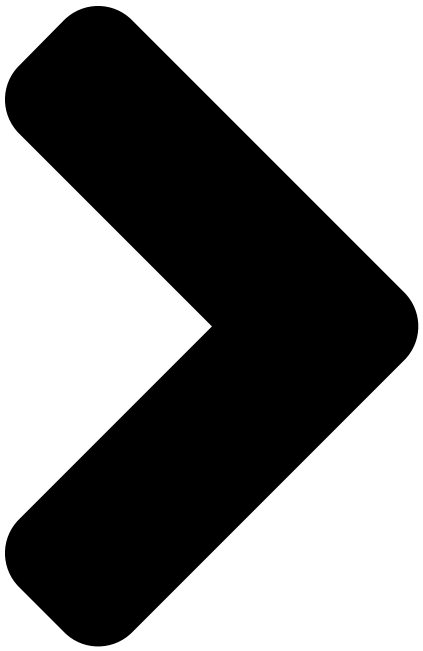

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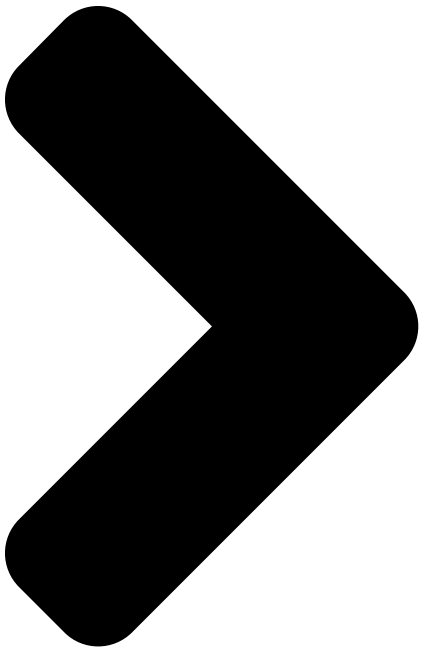

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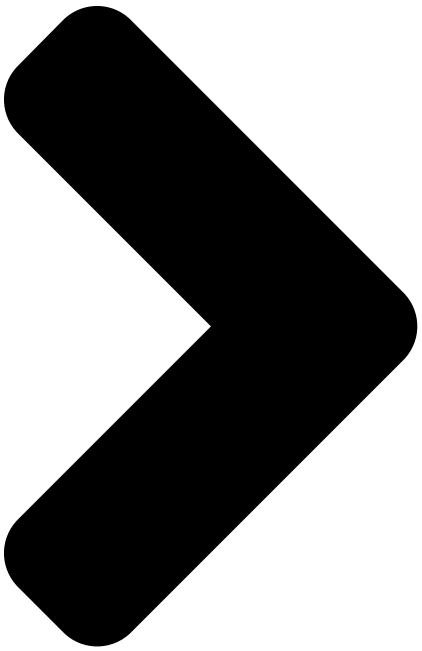
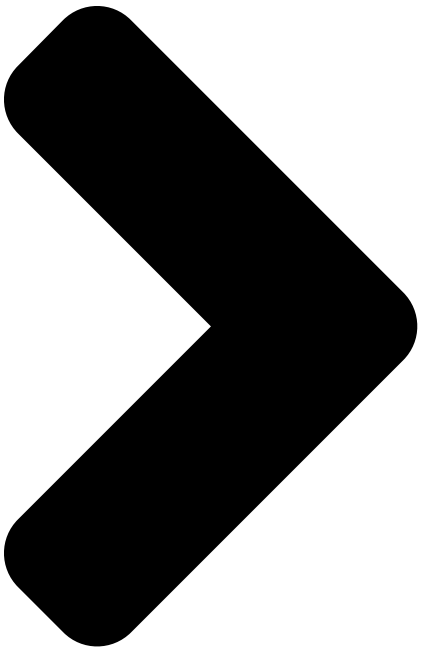


Social Media & Content Creation



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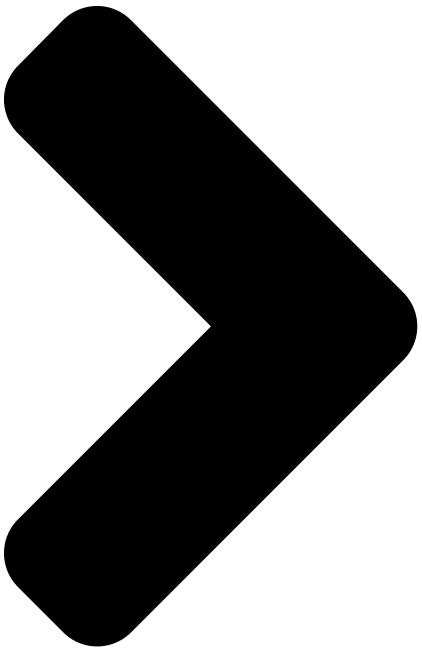

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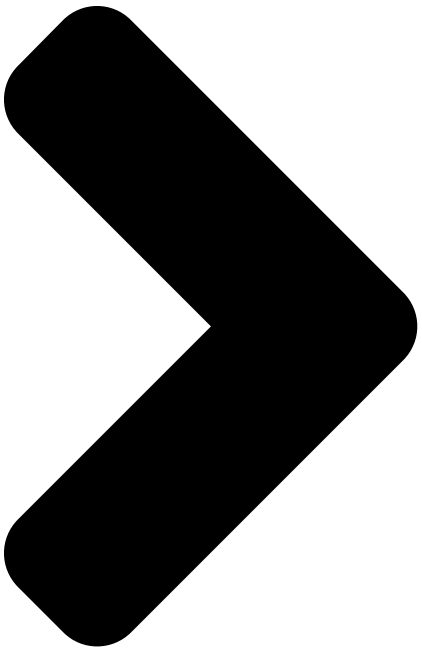

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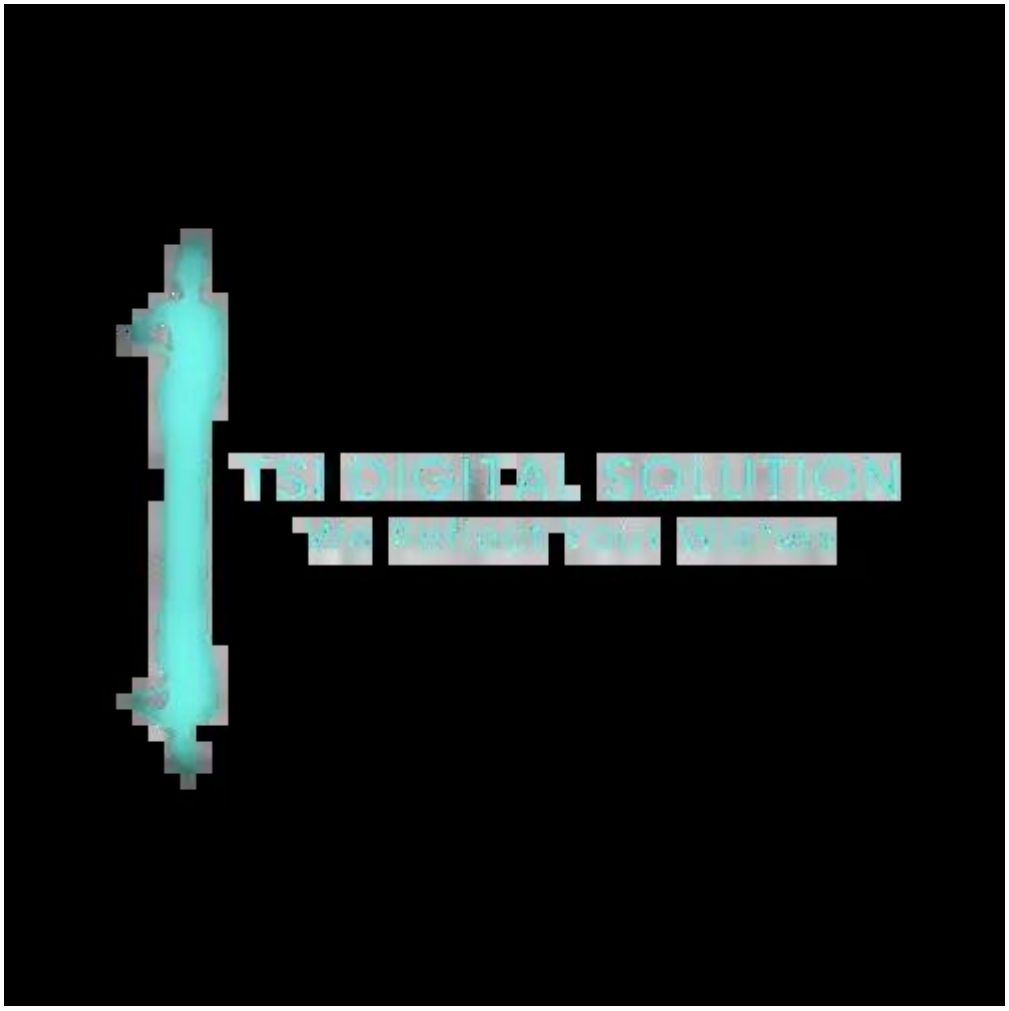
The way we work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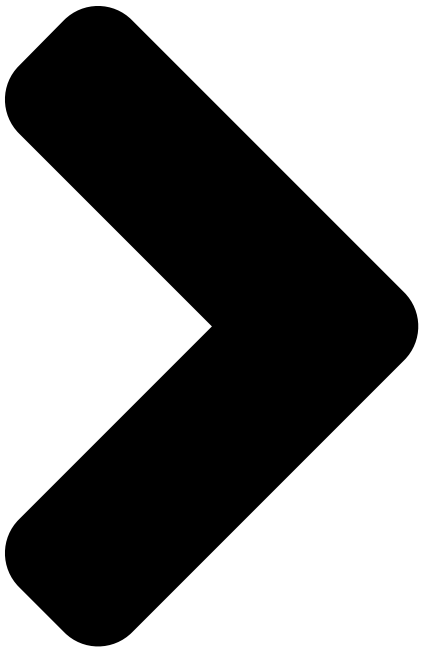

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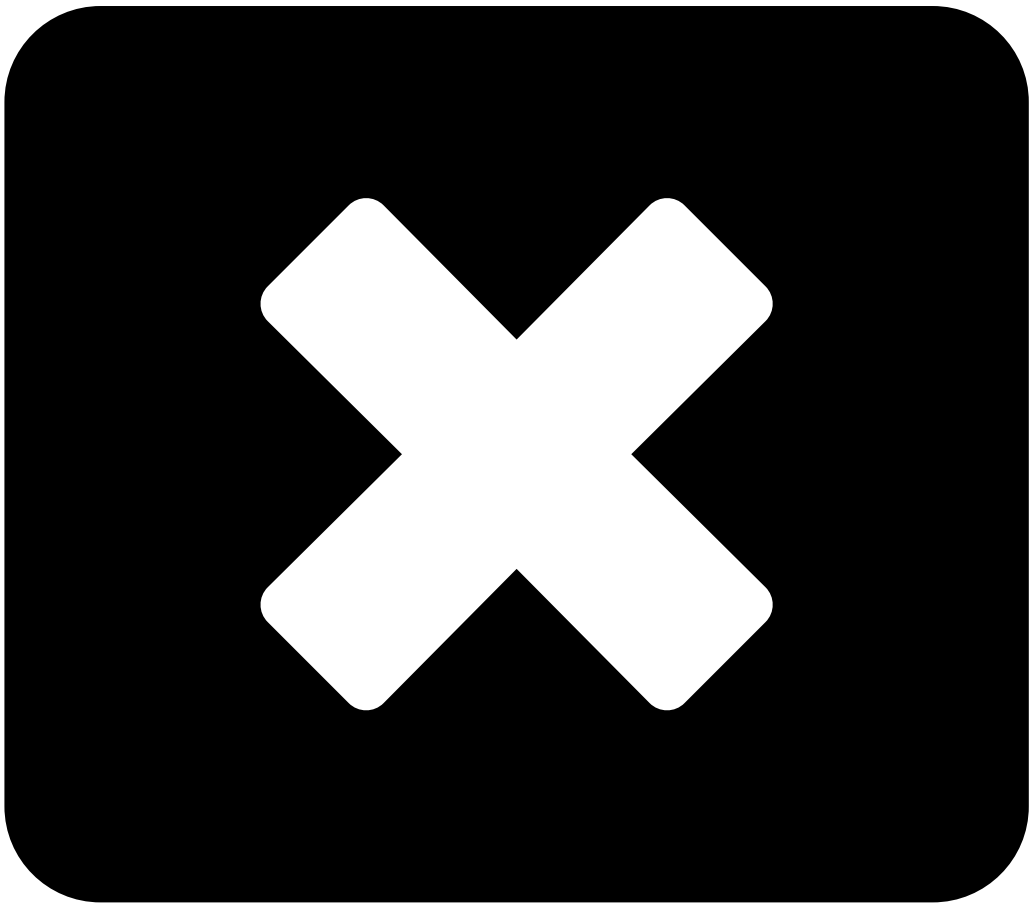

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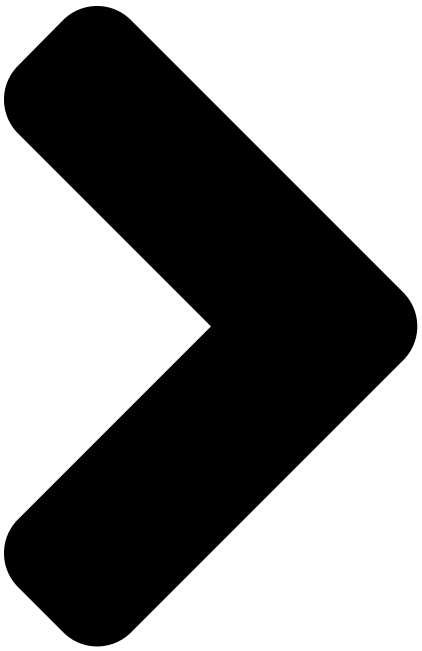

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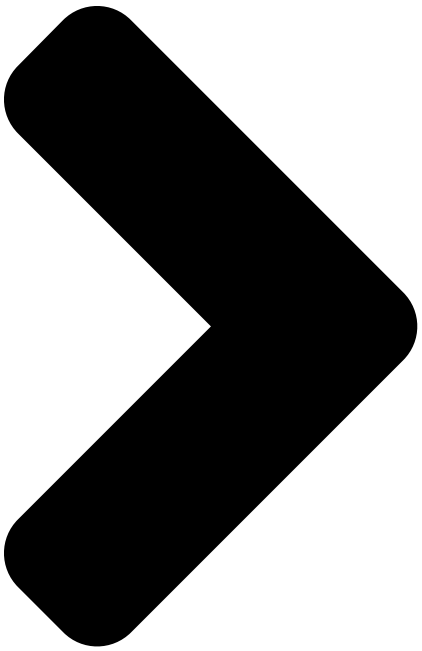

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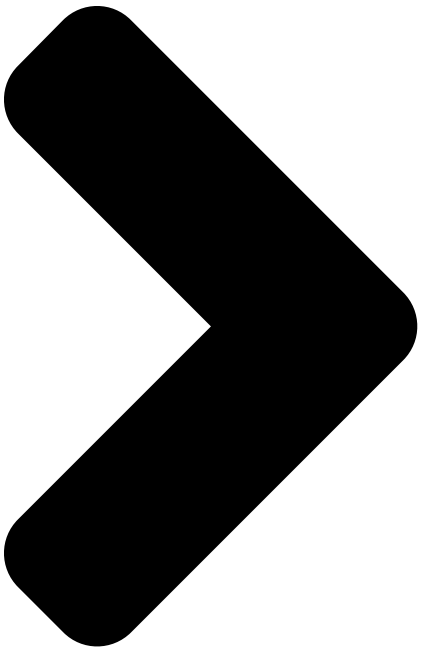
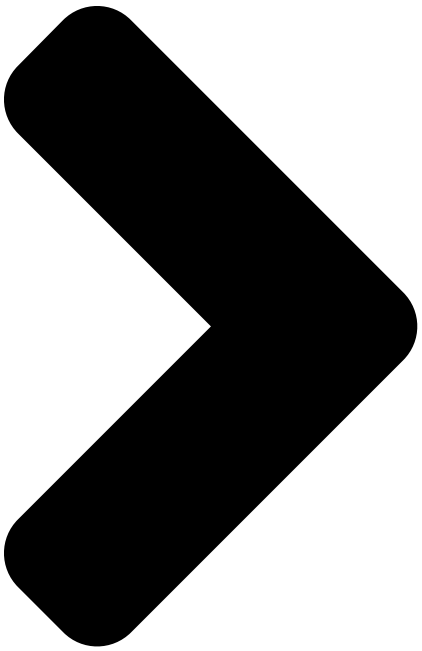


- Cost calculation: SEO/Ads/MGB/Speedup/Technical



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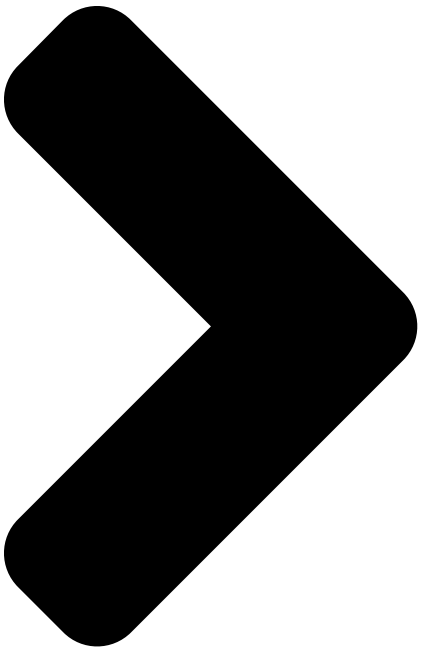
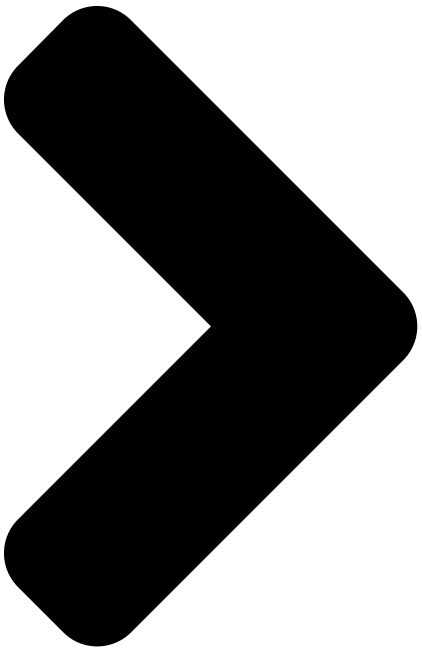
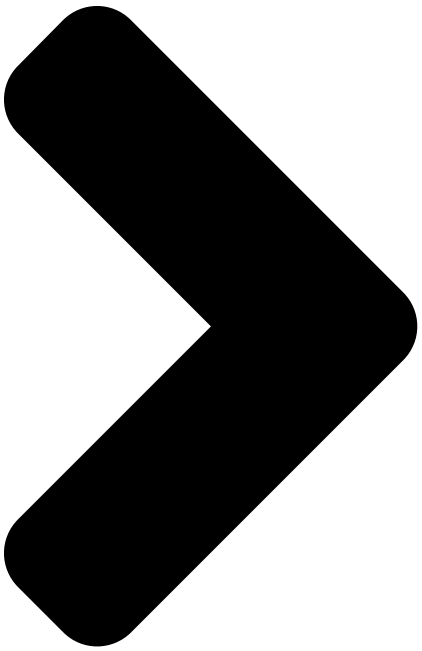


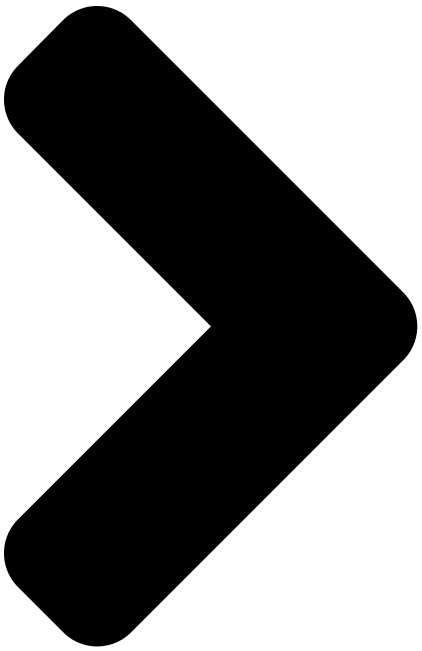
- Contact us for your AI Agent



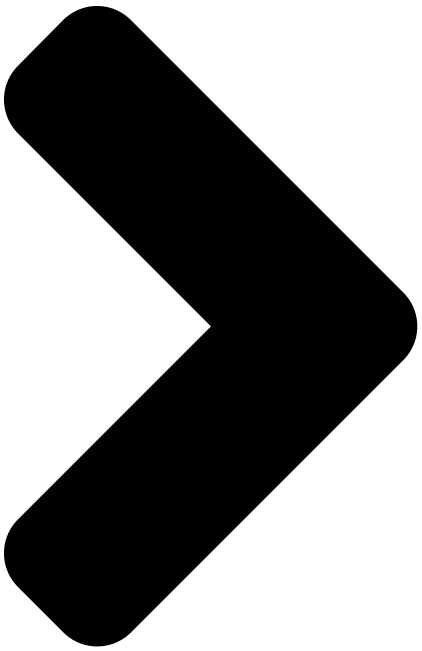
Cost calculation for an e-commerce shop



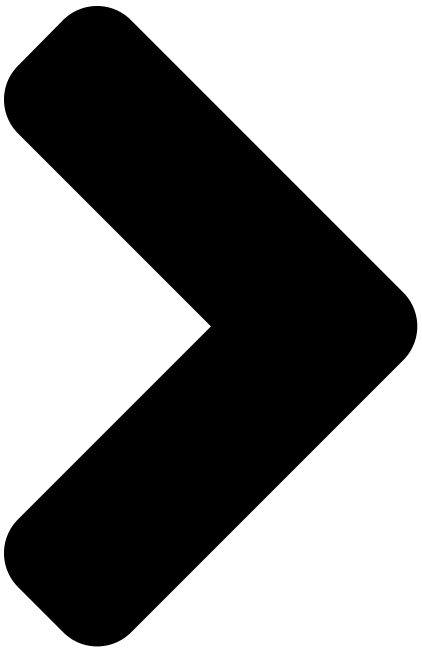
- Contact us for branding



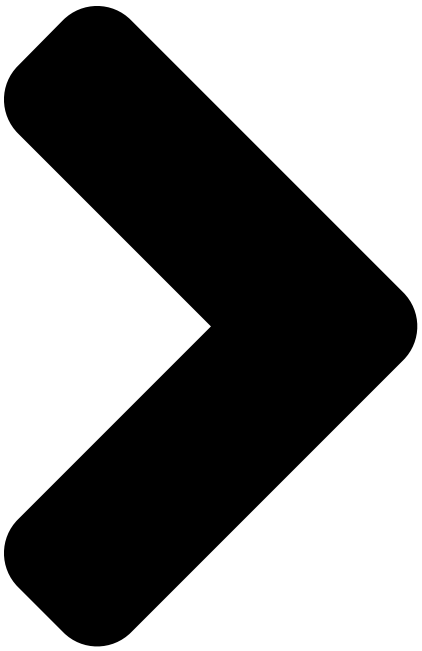
Cost calculation for Social Media & Content Creation



- Cost calculation for Graphic Design



Cost calculation for Copywriting & Translations



Cost calculation for Photo- & Videography

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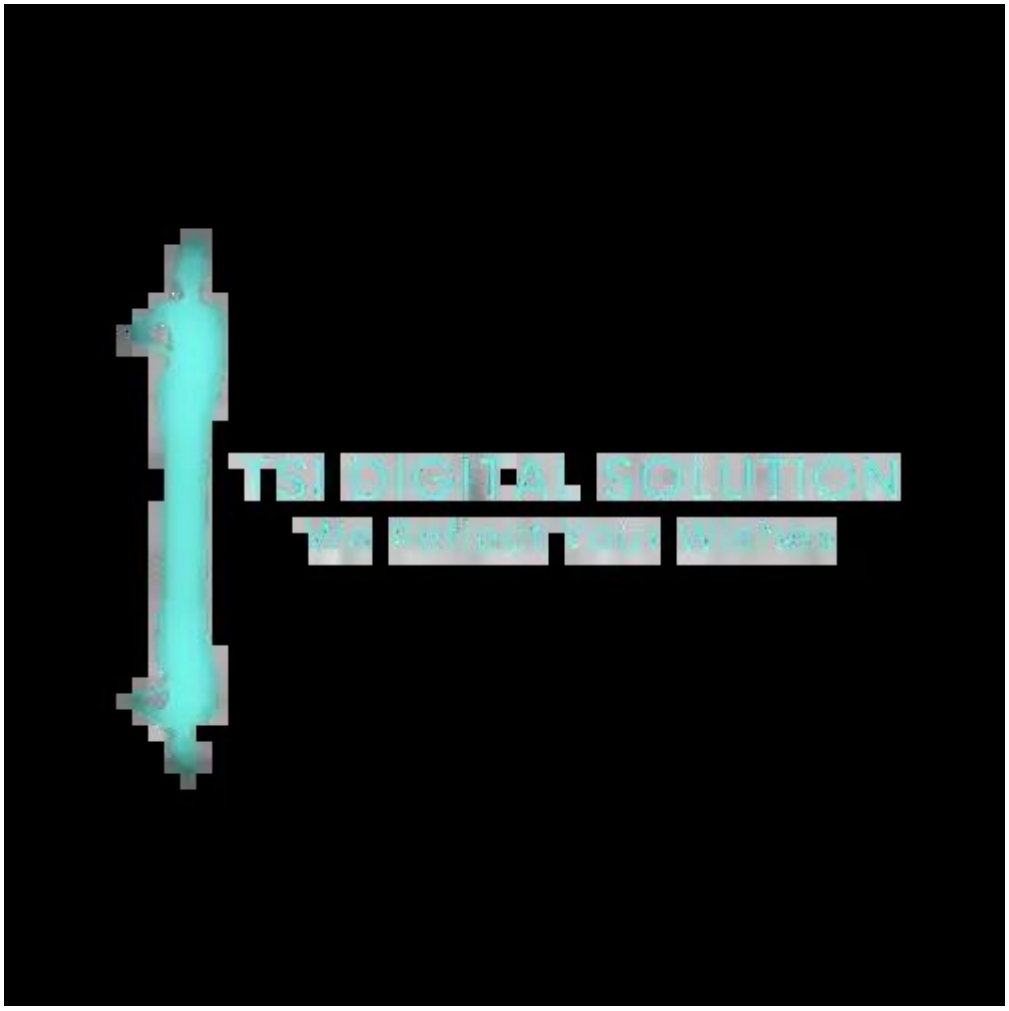
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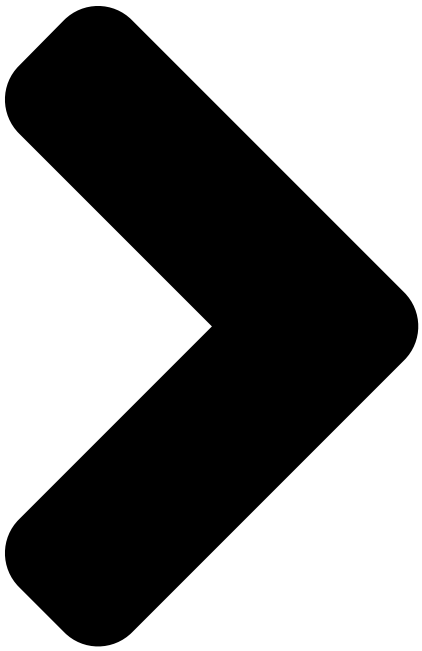

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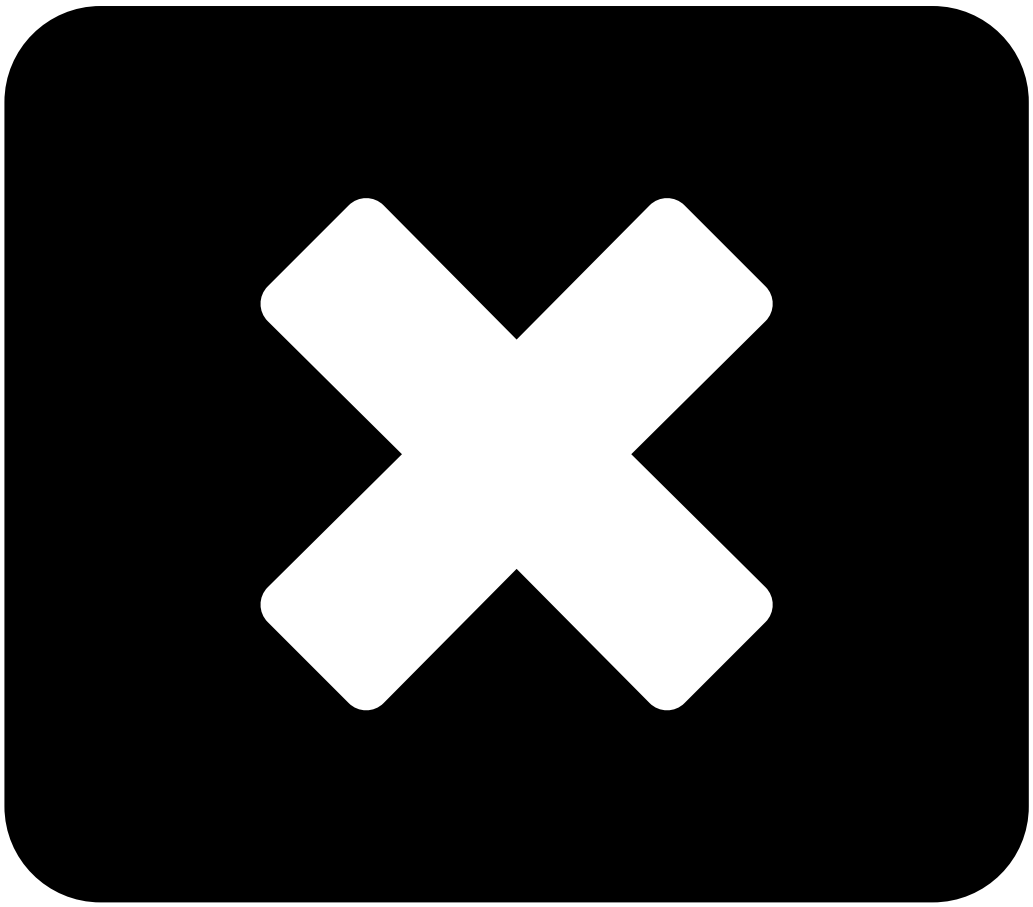

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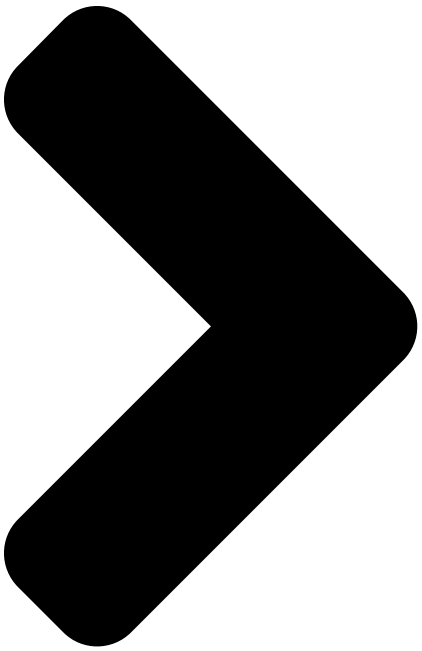

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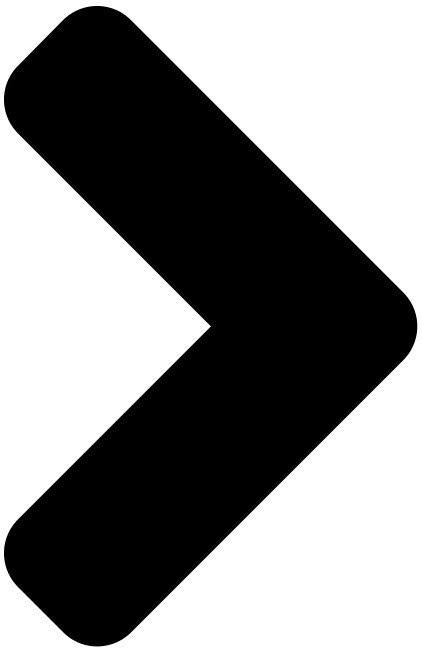
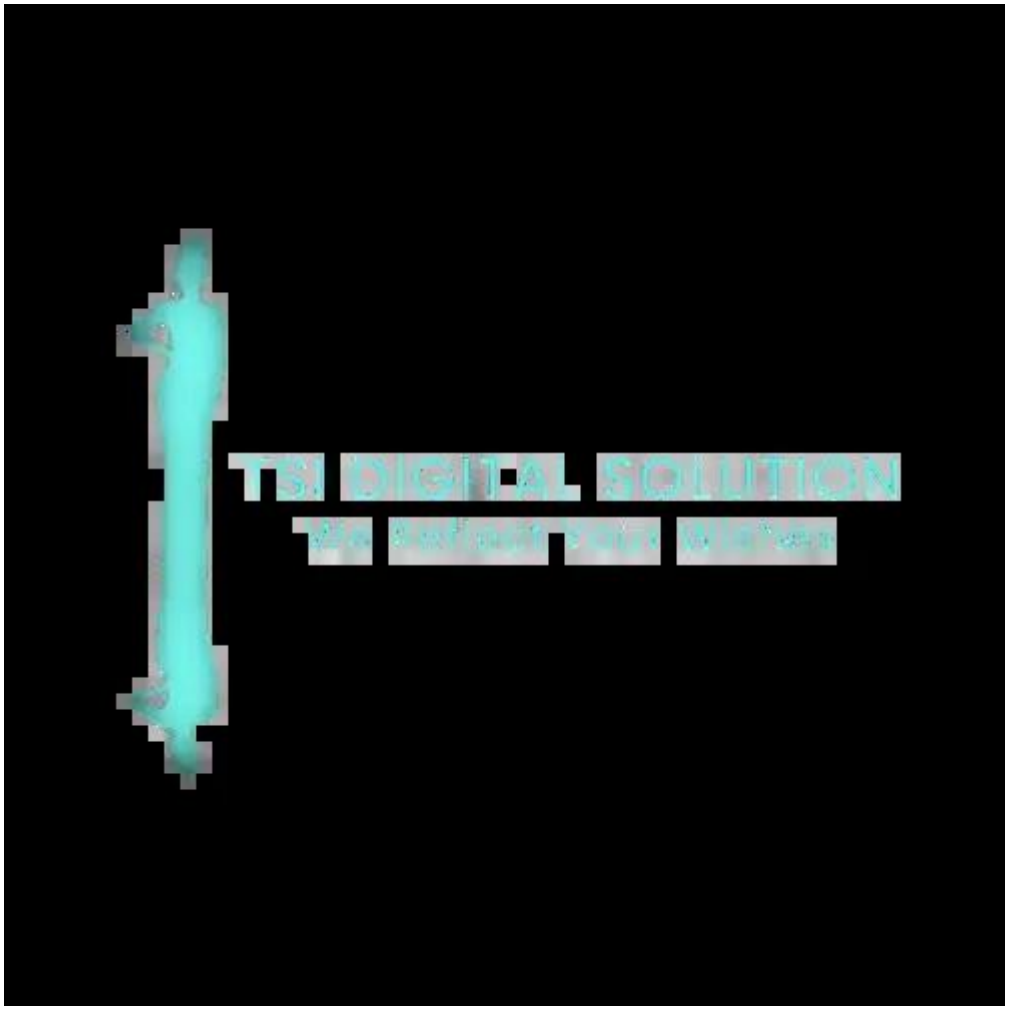


Demo

Just ask, we are here for you

Who we are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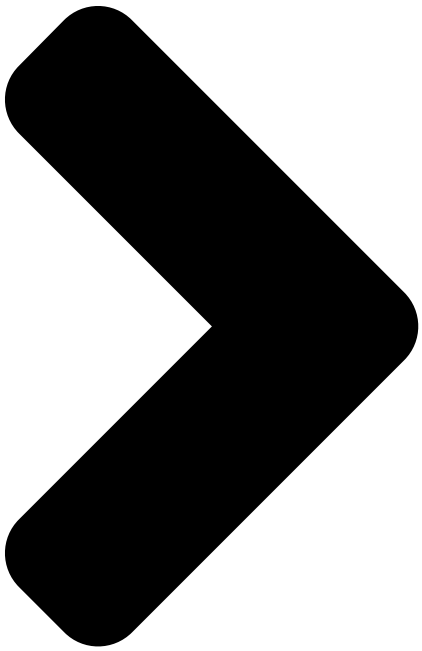

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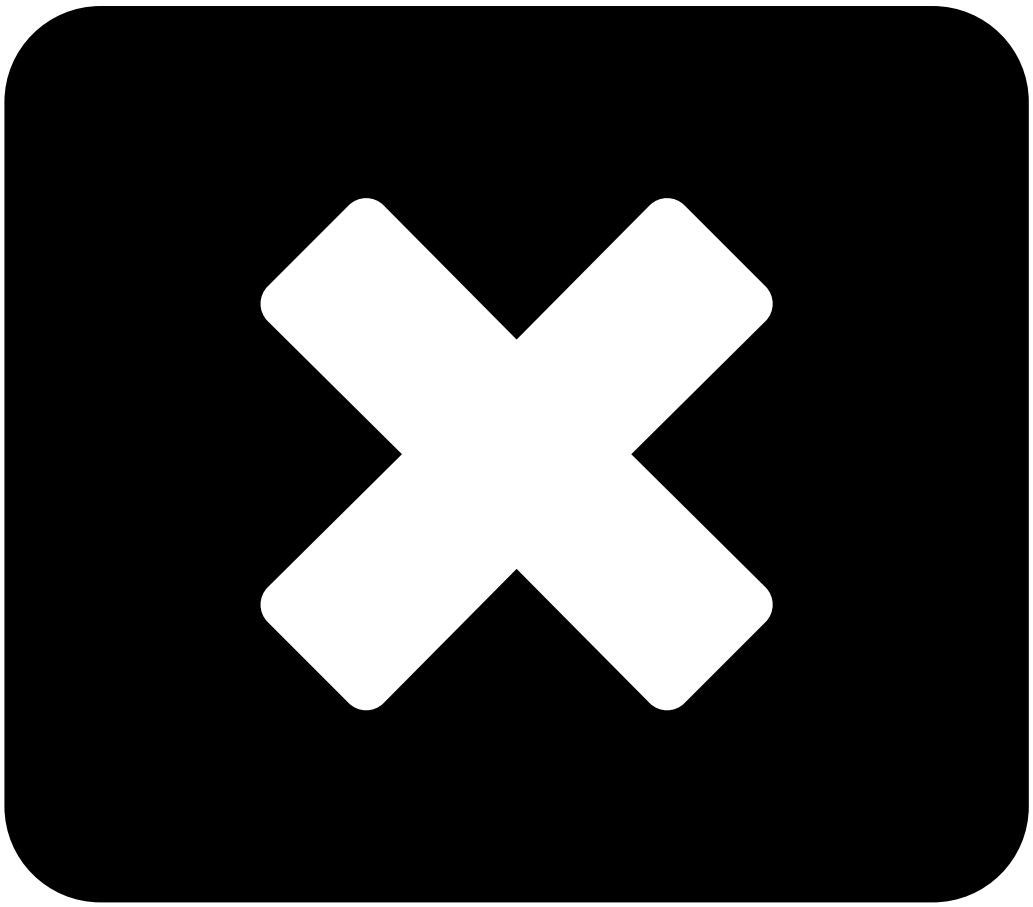

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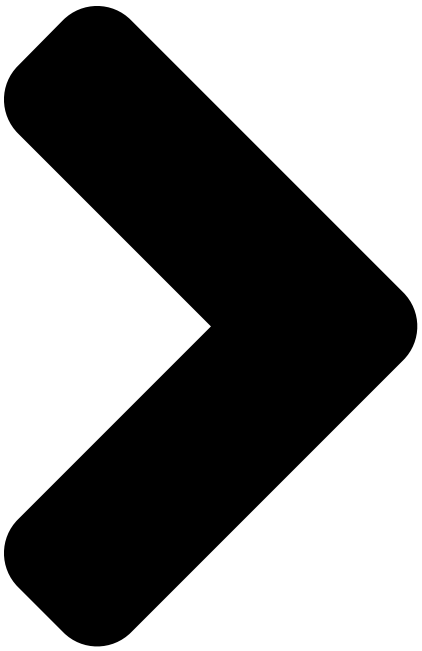

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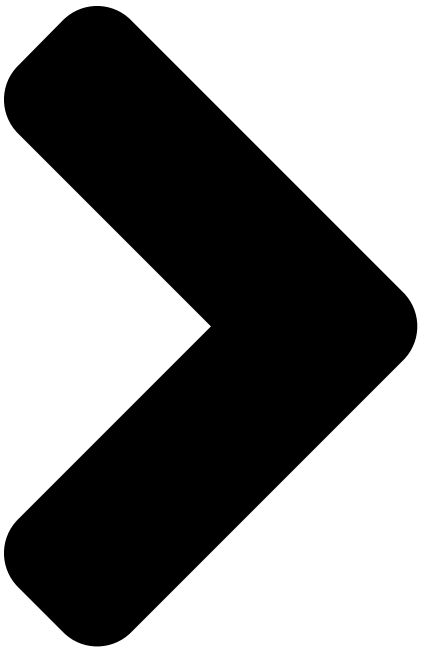

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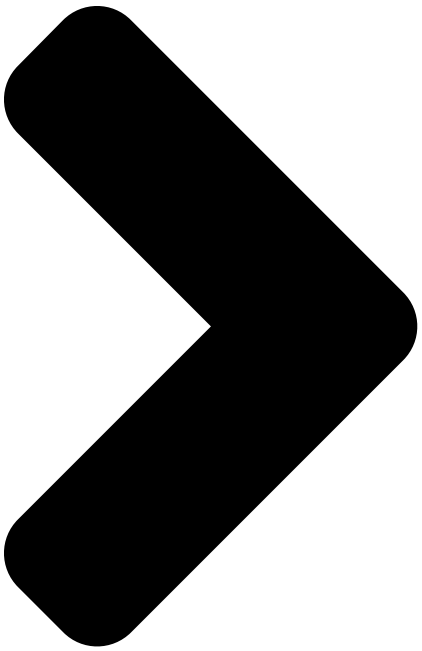

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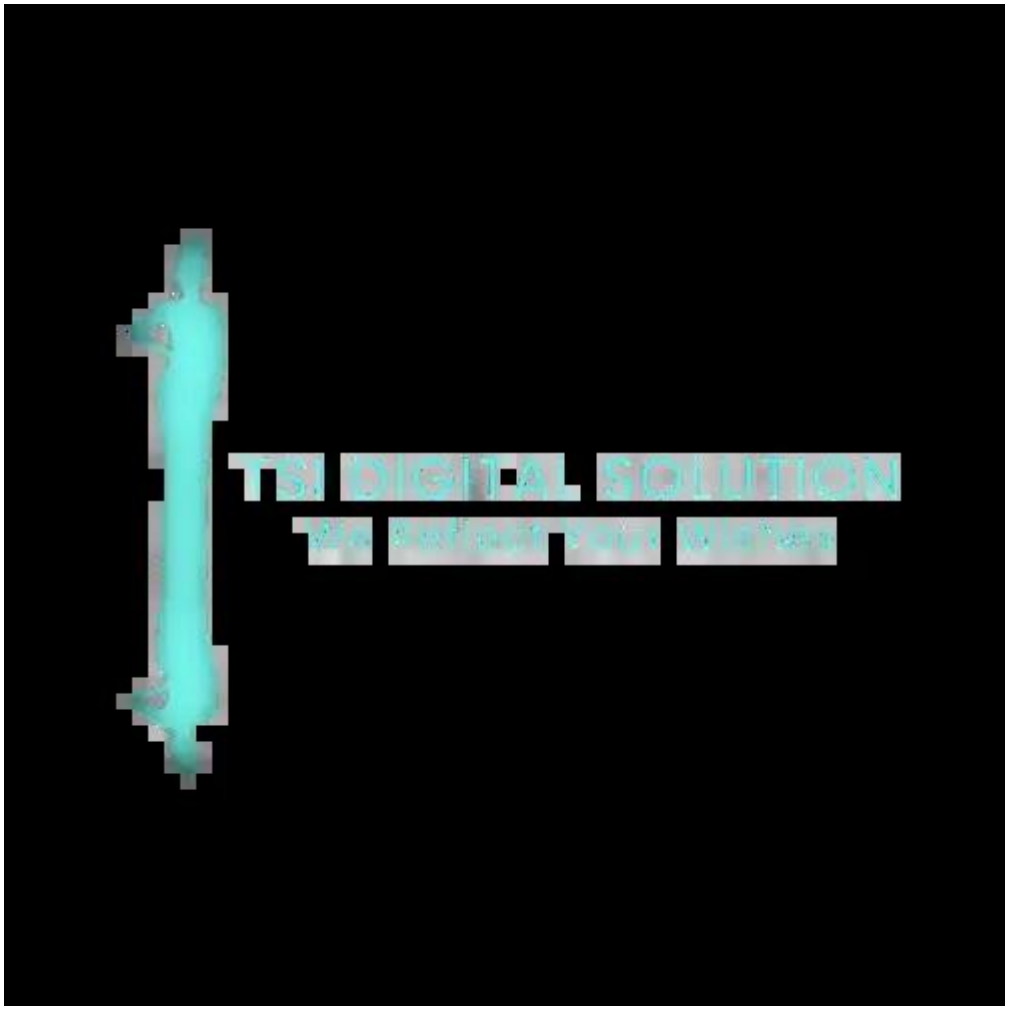
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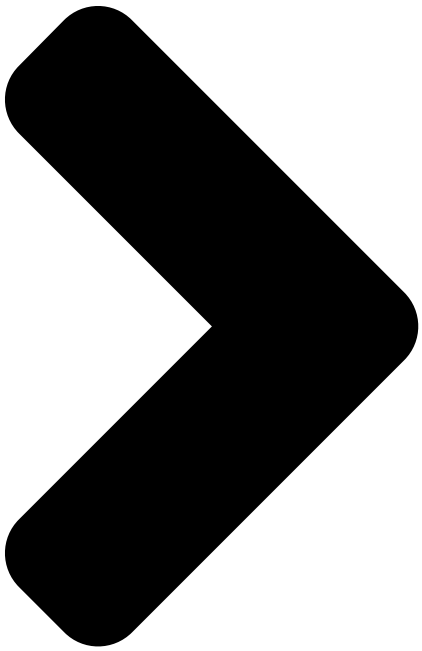

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What is HTML?

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Understanding HTML.

The Backbone of Web Development

HyperText Markup Language, or HTML, is the standard language used to create and design webpages on the internet. Often regarded as the backbone of web

development, it is the fundamental building block that structures content on the web. It was first introduced by Tim Berners-Lee in 1991 and has since evolved into the primary tool for web designers and developers.

How Does HTML Work?

It works by using a series of elements and tags to structure content on a webpage. Each document is composed of elements, which are represented by tags, such as <html>, <head>, <body>, <p> (paragraph), and <a> (anchor/link). These elements tell the browser how to display the content. For example, <h1> is used for main headings, <p> for paragraphs, and <img> for images.

When a browser reads this code, it renders the content in a way that users can interact with it. This simplicity makes HTML easy to learn yet powerful enough to create complex and dynamic websites when combined with other languages like CSS (Cascading Style Sheets) and JavaScript.

Why HTML Matters?

User-Friendly Structure

HTML provides a straightforward way to structure content, ensuring that both users and search engines can easily navigate a webpage.

Search Engine Optimization (SEO)

Proper HTML structuring is critical for SEO. Search engines like Google use HTML tags to understand the content of your website, which influences how your site is ranked in search results. Using semantic HTML tags (e.g., <header>, <article>, <footer>) helps search engines better index and categorize your content.

Accessibility

HTML is essential for making websites accessible to all users, including those with disabilities. By using correct tags and attributes, developers can ensure that screen readers and other assistive technologies can interpret the content, providing a better experience for everyone.

Responsive Design

With the increasing use of mobile devices, it plays a crucial role in creating responsive designs. HTML5, the latest version of HTML, introduced new features like the <picture> element and <meta> viewport tag, making it easier to build websites that look great on any screen size.

Interactivity

Although it alone is not responsible for interactivity, it lays the groundwork for integrating CSS and JavaScript, which can enhance user

engagement through animations, dynamic content updates, and more.

The Advantages of HTML

Simplicity and Accessibility

It’s simple syntax makes it easy to learn, even for beginners. It’s a universal language that every browser understands, ensuring your website can be viewed by anyone, anywhere.

Cross-Browser Compatibility

HTML is supported by all browsers, ensuring consistent performance across different platforms. This universal compatibility is crucial for reaching a broad audience.

Lightweight and Fast

HTML documents are typically lightweight, meaning they load quickly. Faster loading times improve user experience and are favored by search engines, contributing to better SEO performance.

Customizable and Scalable

It can be easily customized and scaled according to the needs of your website. Whether you’re building a simple blog or a complex e-commerce platform, it provides the flexibility to create what you envision.

Ongoing Evolution

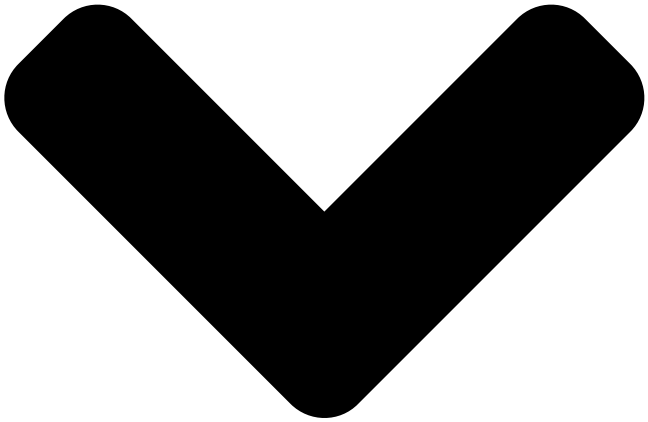
HTML is continually evolving, with HTML5 being the latest version that introduces new features like native video and audio playback, geolocation, and improved semantics. This ensures that it remains relevant and continues to meet the needs of modern web development.

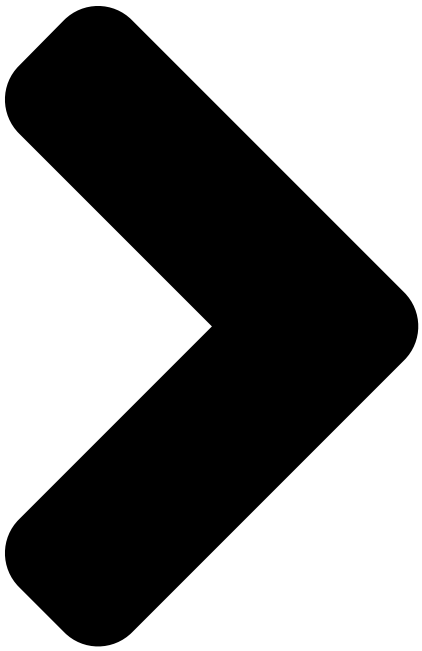
Final Thoughts

HTML is more than just a coding language, it’s the foundation of the web as we know it. At TSI Digital Solution, we recognize the power of it in creating websites that are not only visually appealing but also optimized for performance, accessibility, and SEO. Whether you’re a business looking to build your online presence or someone curious about how the web works, understanding HTML is a step in the right direction.

Frequently Asked Questions (FAQ)

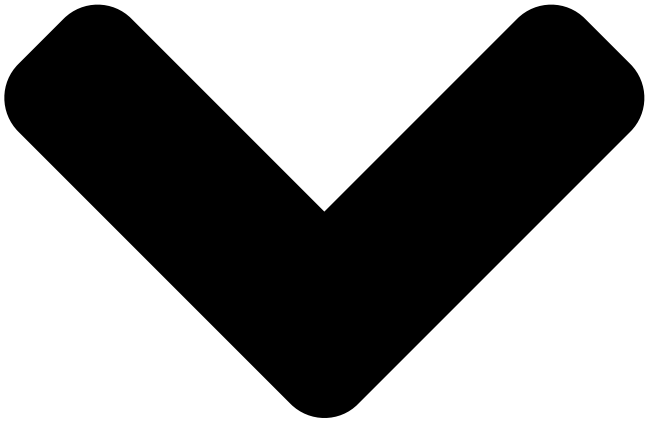
What is HTML and why is it called the backbone of web development?

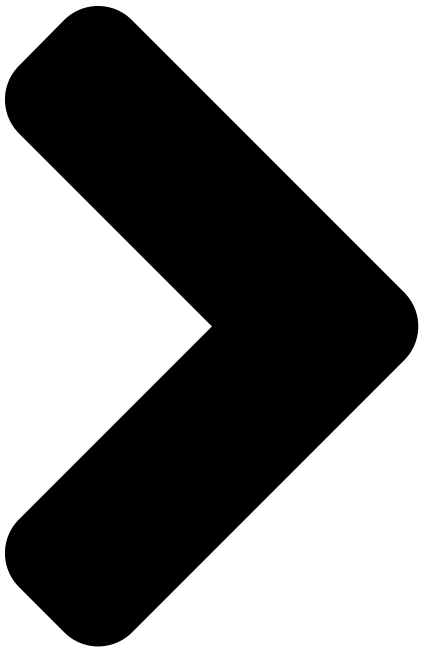




HTML, or HyperText Markup Language, is the standard language used to create and design webpages. It’s considered the backbone because it is the fundamental building block that structures all content on the web, forming the foundation for every website.

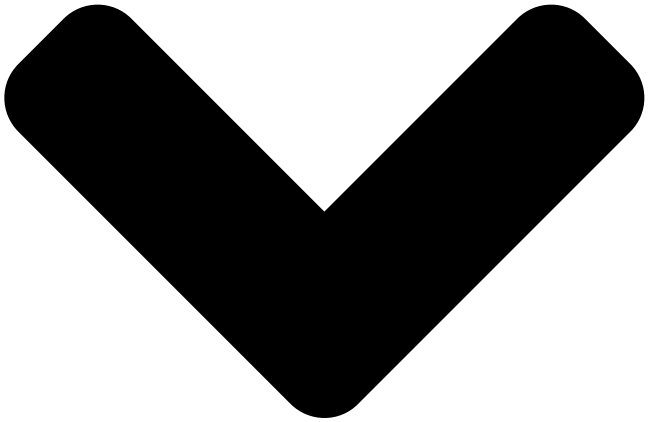
How does HTML work to display a webpage?

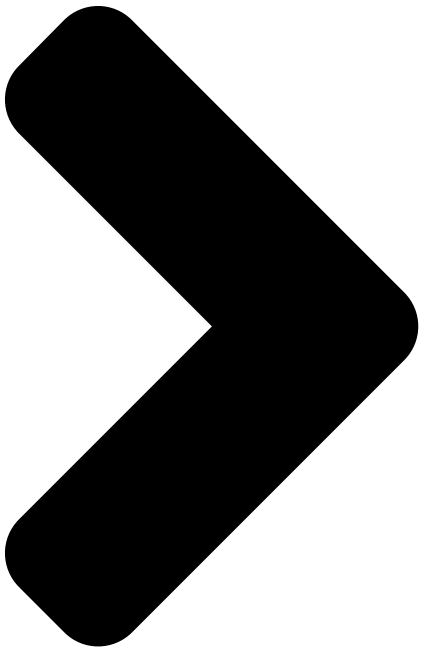




HTML works by using elements and tags like <html>, <body>, <p>, and <img> to structure content. A web browser reads this code and renders the content so users can see and interact with it, making it the core layer that organizes text, images, and links.

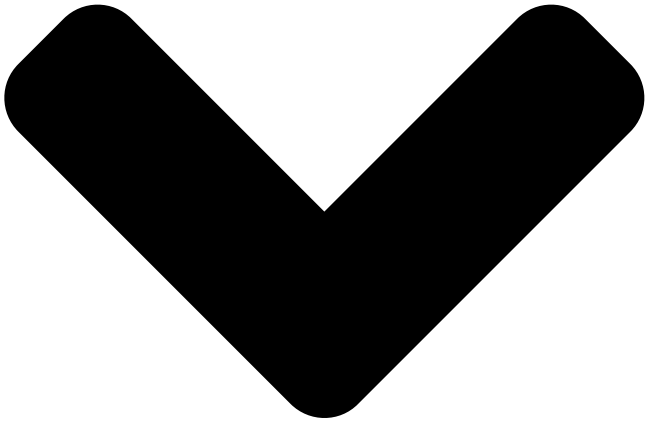
Why is proper HTML structure important for SEO?

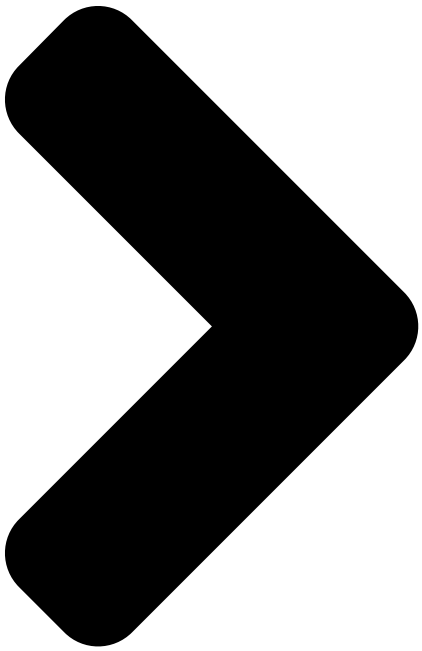




Proper HTML is critical for SEO because search engines like Google use HTML tags to understand and index your website’s content. Using semantic tags (e.g., <header>, <article>) helps search engines better categorize your content, which directly influences your site’s search rankings.

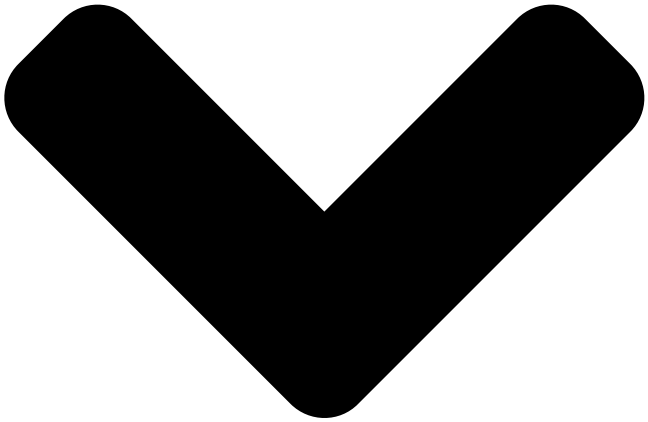
How does HTML contribute to website accessibility?

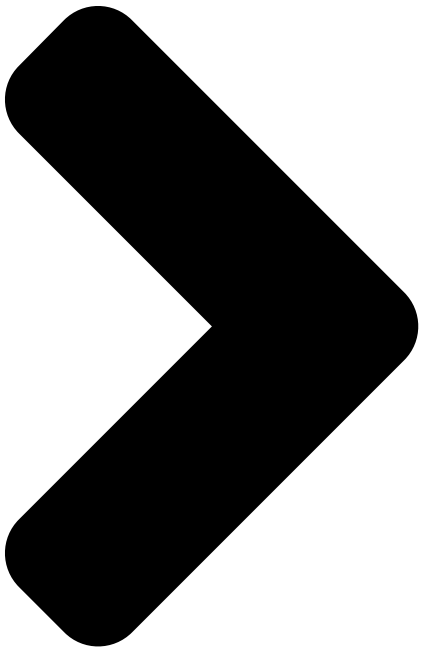




HTML is essential for accessibility by using correct tags and attributes. This ensures that assistive technologies, like screen readers, can accurately interpret the webpage’s content, providing a better experience for users with disabilities.

What are the main advantages of using HTML?





The key advantages of HTML are its simplicity and ease of learning, universal cross-browser compatibility, fast loading times for better user experience and SEO, and its customizable, scalable nature for building anything from a blog to a complex platform.

HTML, or HyperText Markup Language, is the standard language used to create and design webpages. It’s considered the backbone because it is the fundamental building block that structures all content on the web, forming the foundation for every website.

HTML works by using elements and tags like <html>, <body>, <p>, and <img> to structure content. A web browser reads this code and renders the content so users can see and interact with it, making it the core layer that organizes text, images, and links.

Proper HTML is critical for SEO because search engines like Google use HTML tags to understand and index your website’s content. Using semantic tags (e.g., <header>, <article>) helps search engines better categorize your content, which directly influences your site’s search rankings.

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Reach Out to Us

Ready to Build a Powerful, HTML-Optimized Website?

At TSI Digital Solution, we harness the power of HTML to create high-performance, accessible, and SEO-friendly websites. Let us help you build a strong online foundation.

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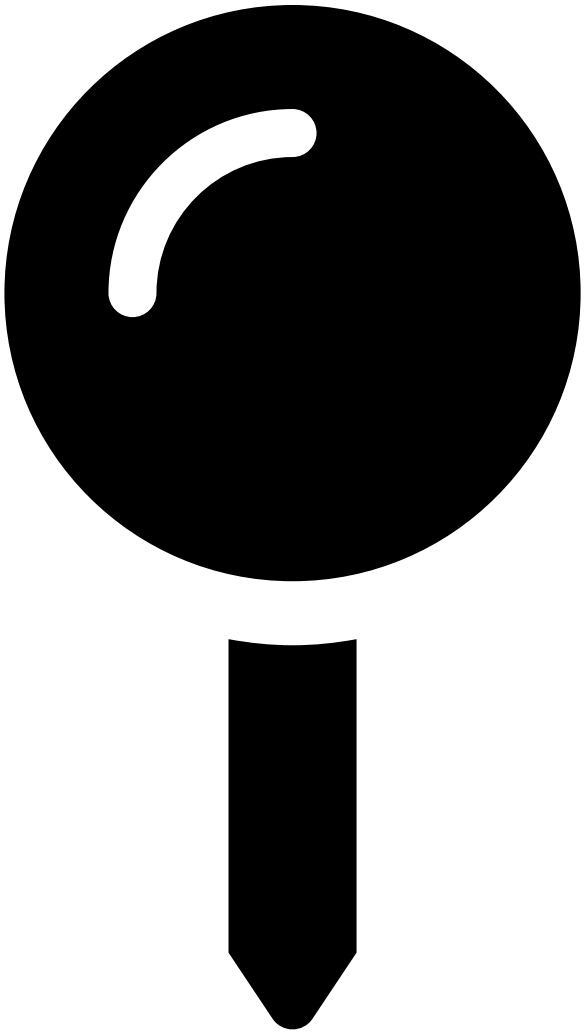

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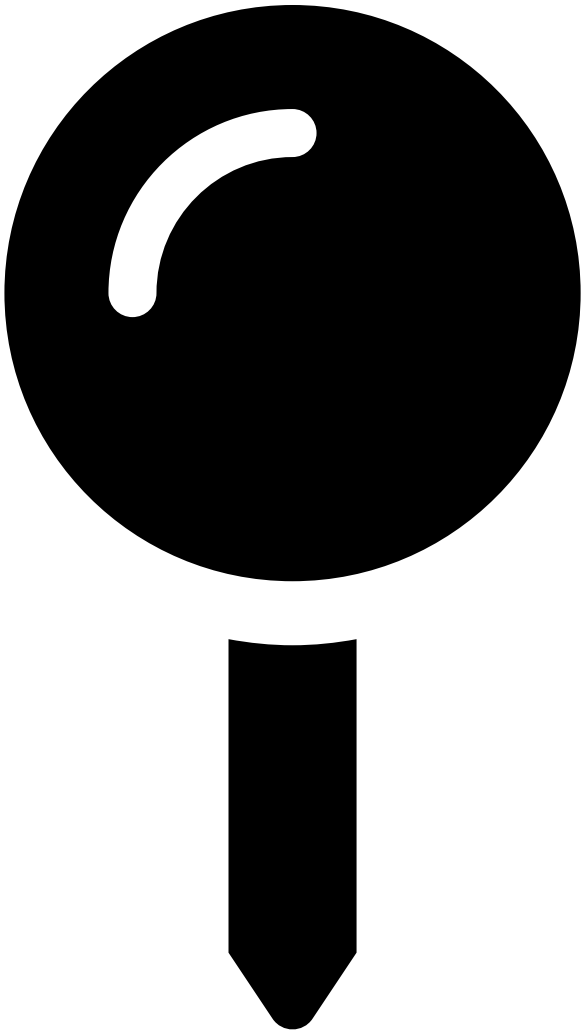

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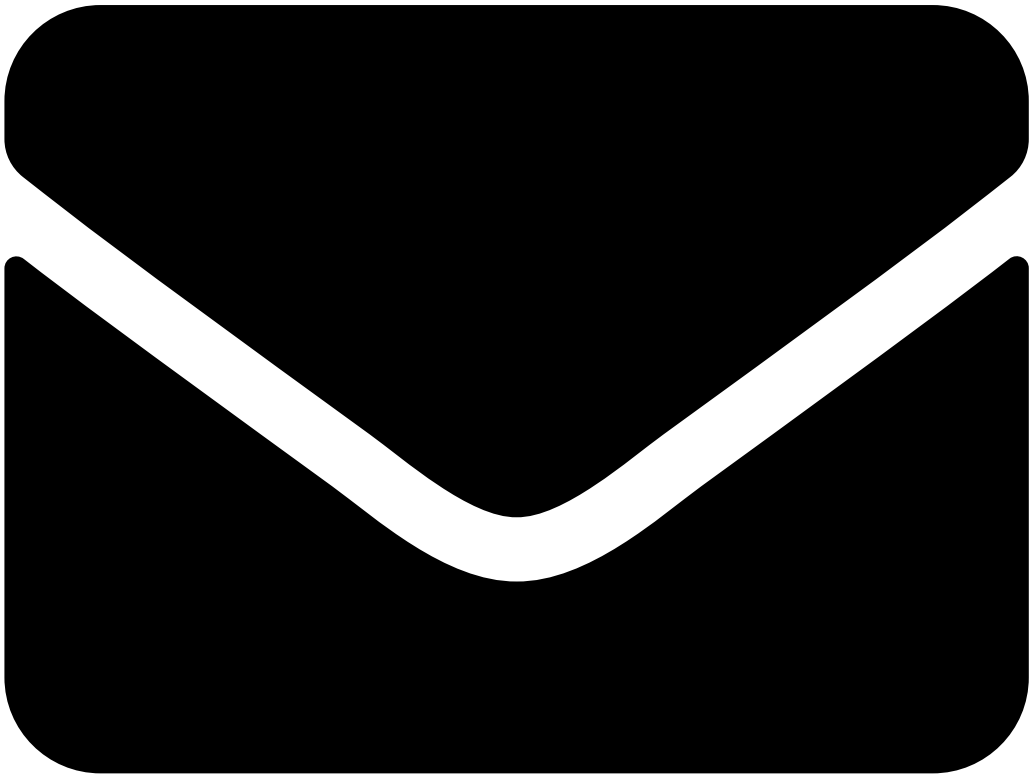

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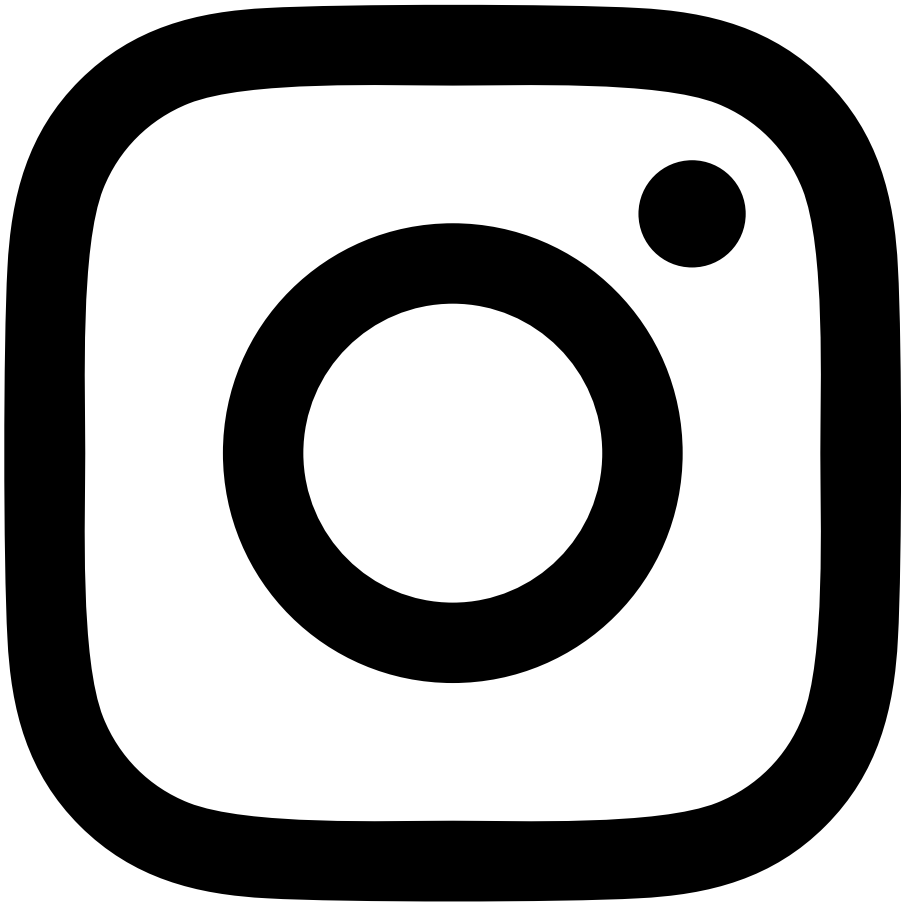

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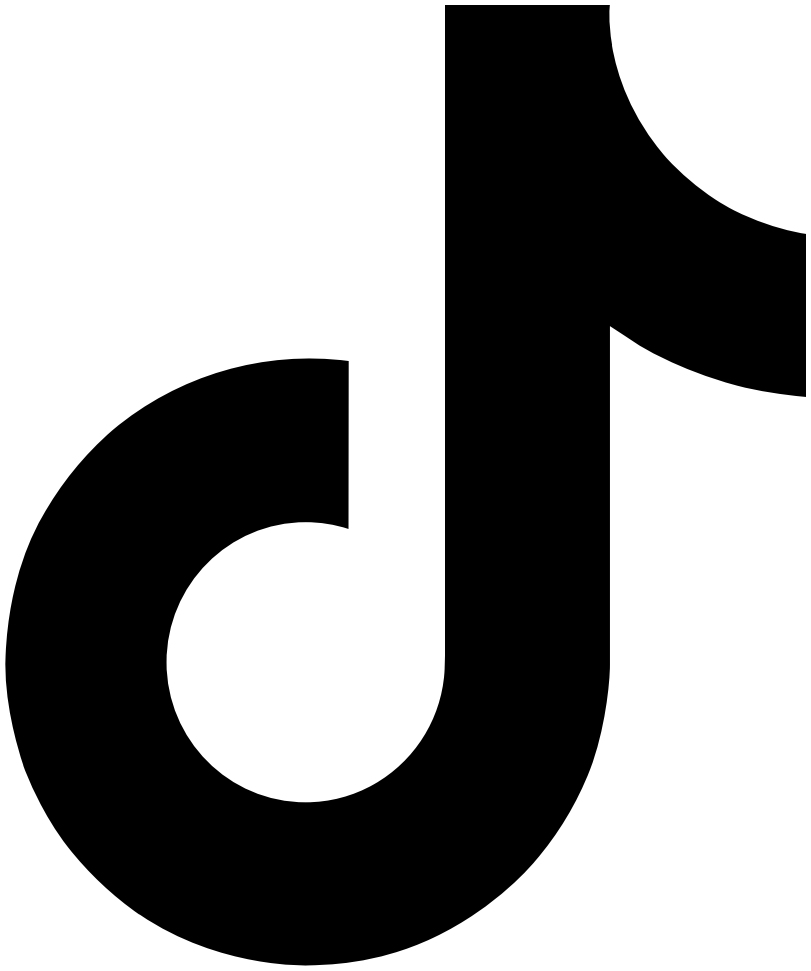

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