

Java



Vs

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JavaScript

The JavaScript logo, consisting of the letters "JS" in a bold, black, sans-serif font, centered within a solid yellow square.

SWIPE <<<



Java is a general purpose, object-oriented programming language that is used to build applications for various platforms, such as Windows, Mac, and Linux.

JavaScript is a scripting language that is primarily used to create interactive web pages.





Java is generally considered to be a more powerful and flexible language than JavaScript, but it is also more complex and takes longer to learn.

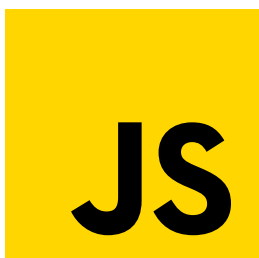
JavaScript is generally easier to learn and is used more frequently for web development.





Java is a statically-typed language, which means that variables must be declared with a specific type (such as int or String) before they can be used.

JavaScript is a dynamically-typed language, which means that the type of a variable can change at runtime.





Java syntax is more verbose.

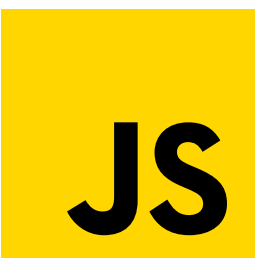
JavaScript syntax is easy to learn and understand.





Java code is compiled language, this means that Java code is converted into machine language that can be run on any device that has a Java Virtual Machine (JVM),

JavaScript is an interpreted language this means JavaScript code is run directly by the web browser.





Java applications can run in any virtual machine(JVM) or browser.

JavaScript code used to run only in the browser, but now it can run on the server via Node.js.





Java is an object-oriented programming language.

JavaScript is an object-based scripting language.





Java program has the file extension “.Java” and translates source code into bytecodes which are executed by JVM(Java Virtual Machine).

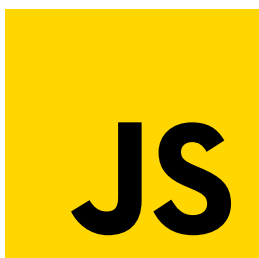
JavaScript file has the file extension “.js” and it is interpreted but not compiled, every browser has the Javascript interpreter to execute JS code.





Java has a thread-based approach to concurrency.

Javascript has an event-based approach to concurrency.





Java supports multithreading.

Javascript doesn't support multi-threading.





Java is mainly used for backend.

Javascript is used for the frontend and backend both.





Java requires a Java Development Kit(JDK) to run the code.

Javascript requires any text editor or browser console to run the code.





Objects of Java are class-based, so you can't create any program in java without developing a class.

Objects are prototype-based.





Java is used for building standalone applications, and it is also a popular choice for building Android mobile apps.

JavaScript is used primarily for web development.





**Famous Company using the Technology
are Airbnb, Uber Technologies, Netflix,
Instagram.**

**Famous Company using the Technology
are Reddit, eBay, Coursera.**





Hello World Program in Java

```
class A {  
    public static void  
main(String args[]){  
  
    System.out.println( "Hello  
World" );  
    }  
}
```



Hello World Program in JavaScript

```
<html>
<head>
    <title>My
First
JavaScript
code!!!
</title>
    <script>

alert( "Hello
World! " );

    </script>
</head>
<body>
</body>
</html>
```

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Manish Kumar Shah



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