
JAVA

Java Website Course

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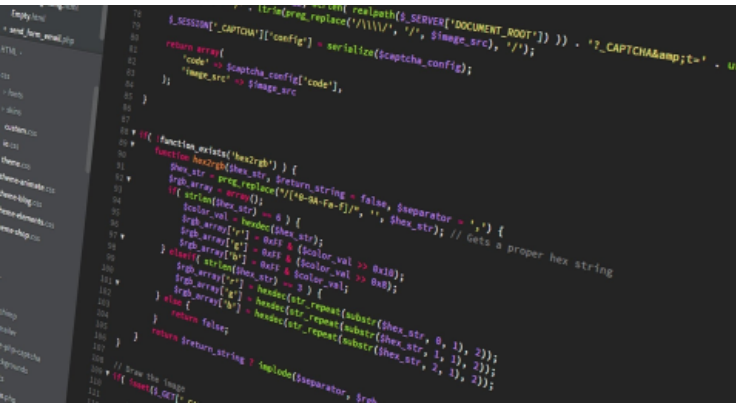


What is Java?



Java is a widely used programming language for coding web applications. There are millions of Java applications today and a lot of developers use it today. Java is a multi-platform, object-oriented, and network-centric language that can be used as a platform in itself. It's a fast, secure, reliable programming language for coding everything.

What topics are covered?

A screenshot of a code editor showing Java code. The code includes a session configuration, a captcha configuration, and a function to check if a function exists. The code is written in a dark-themed IDE with syntax highlighting.

```
72     ... (prg.replace("${SERVER['DOCUMENT_ROOT']}")) - '?_CAPTCHA&id=' - ur
73     $_SESSION['_CAPTCHA']['config'] => serialize($captcha_config);
74     return array(
75         'code' => $captcha_config['code'],
76         'image_src' => $image_src
77     );
78 }
79
80 // (function_exists('hex2rgb') ) {
81     hex_str = preg_replace('/[0-9A-Fa-f]/', '', $hex_str); // Gets a proper hex string
82     $rgb_array = array();
83     if (strlen($hex_str) == 6) {
84         $color_val = hexdec($hex_str);
85         $rgb_array['r'] = ($color_val >> 0x10);
86         $rgb_array['g'] = ($color_val >> 0x01);
87         $rgb_array['b'] = ($color_val >> 0x04);
88     } else {
89         $rgb_array['r'] = hexdec(str_repeat(substr($hex_str, 0, 1), 2));
90         $rgb_array['g'] = hexdec(str_repeat(substr($hex_str, 1, 1), 2));
91         $rgb_array['b'] = hexdec(str_repeat(substr($hex_str, 2, 1), 2));
92     }
93     return false;
94 }
95
96 return $return_string ? implode($separator, $rgb
97 }
98 // Draw the image
99 // (function_exists('imagecreatefromstring')) {
100     $img = imagecreatefromstring($img_data);
101     imagepng($img, $img_path);
102     imagedestroy($img);
103 }
```

- Java Fundamentals
 - Decision Structure
 - Loops and Files
 - Methods
 - A First Look at Classes
 - Arrays and ArrayList Class
 - A little introduction to JavaFX
-

Why I chose this project idea



I took CSC110 last semester and all the work was done through the book. Java was new to me and I didn't have much knowledge of the coding language. Just like many others, I am a visual learner and I struggled a lot from just using the books. After finding all the videos that helped me learn I saved them in a playlist to perfect my coding. Then, the next semester started and I moved on to CSC205 (the second class of Java). I realised many others probably have the same problem as me. Discussing with my coding professor, Ms. Chhibber, I decided that I would create a website to assist students new to Java. I cover all the topics that are taught within that class. The Computer Science field is growing day by day and I hope to see all students succeed.

Link to the official website course

<https://sites.google.com/maricopa.edu/sbccjavacourse/table-of-contents?authuser=1>

Resources that helped me from Youtube:

- Alex Lee
 - Bro Code
 - Math and Science
 - Coding with John
 - Appficial
 - Neso Academy
 - Caleb Curry
 - thenewboston
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