

Regular Expressions - Practice Code

Steps to see the output:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given JS code in the file.
- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

Problem Statement 1: Hex Color Checker

Write a javascript function to check whether a given value is a valid hex color value or not.

Example:- #333, #7777

Output:-

true
false

Problem Statement 2: Domain Checker

Write a javascript file to check whether a given value represents a domain or not.

Output:-

127.0.0.1:5500 says

Enter domain name

Cancel
OK

true

127.0.0.1:5500 says

Enter domain name

Cancel
OK

false

Problem Statement 3: Password Checker

Write a javascript function to check whether the input string contains alphabet, numbers, dash, underscore.

Output:-

127.0.0.1:5500 says

Enter your password

Cancel
OK

true

true

Solutions

Problem Statement 1:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Regular Expression Practice Code</title>
</head>
<body>
  <script>
    function is_hexcolor(str)
    {
      regexp = /^#?([0-9a-fA-F]{3}|[0-9a-fA-F]{6})$/;

      if (regexp.test(str))
      {
        return true;
      }
      else
      {
        return false;
      }
    }
    console.log(is_hexcolor("#333")); // true
    console.log(is_hexcolor("#7777")); // false
  </script>
</body>
</html>
```

Problem Statement 2:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Regular Expression Practice Code</title>
</head>
<body>
  <script>
    let domain=window.prompt("Enter domain name","www.google.com");
    function is_domain(str)
    {
      regexp = /^[a-z0-9]+([\-\\.]{1}[a-z0-9]+)*\.[a-z]{2,6}$/i;

      if (regexp.test(str))
      {
        return true;
      }
      else
      {
        return false;
      }
    }
  </script>
</body>
</html>
```

```

    }
    console.log(is_domain(domain));
  </script>
</body>
</html>

```

Problem Statement 3:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Regular Expression Practice Code</title>
</head>
<body>
  <script>
    let password = prompt("Enter your password","12_345");
    function passwordChecker(password)
    {
      regexp = /^[a-z0-9_\-]+$/i;

      if (regexp.test(password))
      {
        return true;
      }
      else
      {
        return false;
      }
    }
    let value = passwordChecker(password);
    console.log(value);
    console.log(passwordChecker('100_23')); // true
  </script>
</body>
</html>

```