

Assignment - ES6

Coding is practice... Practice your ES6 code, with help of following steps, which will give you a clear understanding about ES6 syntax.

Challenge 1:Block and Function Scope

Steps:

- 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 HTML code in the file.

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width">
    <title>repl.it</title>
    <link href="style.css" rel="stylesheet" type="text/css" />
  </head>
  <body>
    <script src="script.js"></script>
  </body>
</html>
```

- Copy and Add the below given JS code in the file.

```
var a=10; // Here value of a is 10
var b=8; // Here value of b is 8
var c=6; // Here value of c is 6
{
  let a = 2;
  // Here value of a is 2 but only within the block
  var b = 10;
  // Here value of b is 10 inside and outside the block it will remain 10
  const c = 8;
  // Here value of c is 8 but only within the block
  // const cannot be reassigned
  // c=5;
}
document.write("The value of a is : " +a);
// let has block scope
document.write("<br>");
document.write("The value of b is : " +b);
```

```
// var does not have block scope
document.write("<br>");
document.write("The value of c is : " +c);
// const has block scope
```

- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

The value of a is : 10
The value of b is : 10
The value of c is : 6

Challenge 2: ES6 Class

With your new gained knowledge in ES6 class, create a class with constructor, child class, method, object. Using the object access the method and class.

I have a Ford, it is a Mustang

This is the sample output image, the text given is just for sample

Assignment Parameter:

You will be graded based on the following parameters:

- **Code Essentials:** Have you used class, inherited class, method and object?
- **Code Important Features:** Have you accessed the class and method using an object?

Process for Submission

Please upload your assignment files via this [Google Form](#) before the deadline (24th February 2023, 11:59 pm).

Steps to submit the assignment:

1. Login to your github account.
2. Enter your email id, name, assignment name, phone number.
3. You have to provide your GitHub link and deployed link for the assignment.
4. Once you have added all the links, click on the Submit button to submit the assignment.

Submit

