ASSIGNMENT 2

Javascript Codes

1) **To change HTML Content of a paragraph**

```
<html>
<body>

<p id="p1">Hello World!</p>

<script>
document.getElementById("p1").innerHTML = "New text!";
</script>

</body>
</html>
```

2) **To Change HTML Attributes**

```
<!DOCTYPE html>

<html>

<body>

<img id="myImage" src="smiley.gif">

<script>

document.getElementById("myImage").src = "landscape.jpg";

</script>


</body>

</html>
```

3) To change CSS Style

```html
<html>
<body>

<p id="p2">Hello World!</p>

<script>
document.getElementById("p2").style.color = "blue";
</script>

<p>The paragraph above was changed by a script.</p>

</body>
</html>
```

4) To Hide HTML Elements

```html
<!DOCTYPE html>
<html>
  <body>
    <p id = "pid">Demo Text</p>

    <button type = "button" onclick = "displayHide()">Hide</button>
    <button type = "button" onclick = "displayShow()">Show</button
    <script>
      function displayHide() {
        document.getElementById("pid").style.visibility = "hidden";
      }
      function displayShow() {
        document.getElementById("pid").style.visibility = "visible";
      }
    </script>
  </body>
</html>
```

5) To show Hidden elements

```html
<!DOCTYPE html>
<html>
  <body>

    <button onclick="myFunction()">Click Me</button>

    <div id="myDIV">
      This is my DIV element.
    </div>

    <script>
      function myFunction() {
        var x = document.getElementById("myDIV");
        if (x.style.display === "none") {
          x.style.display = "block";
        }
        else {
          x.style.display = "none";
        }
      }
    </script>
  </body>
</html>
```

Javascript Functions

1) Reverse any given number

```javascript
function rev_num()
{
var num = prompt("Enter the number to be reveresed :", " ");
var n= num;
var rev = 0, rem;
while (n>0)
{
rem = n % 10;
rev = rev * 10 + rem ;
n = Math.floor(n/10);
```

```
}
document.write("The given number is : " +num+ " <br/> The reversed number is : "
+rev+ "\n");
}
```

2) Reverse any given String

```
function ReverseString(str) {

    return str.split('').reverse().join('')

}

document.write(ReverseString("Web Programming"))
```

3) To create substrings from a Given string (UNIVERSITY)

```
var str = "University";
var res = str.substring(4, 1);

document.write("The string is " + str + " and its substring is " + res)
```

4) that checks whether a passed string is palindrome or not?

```
function checkPalindrome(str) {
    len = string.length;
    for (let i = 0; i < len / 2; i++) {
        if (string[i] !== string[len - 1 - i]) {
            return 'It is not a palindrome';
        }
    }
    return 'It is a palindrome';
}
let string = prompt('Enter a string: ');
let value = checkPalindrome(string);

console.log(value);
```

5) **that returns a passed string with letters in alphabetical order.**

```
function sortString(str){
 var arr = str.split('');
 var sorted = arr.sort();
return sorted.join('');
}
```

6) **that accepts a string as a parameter and converts the first letter of each word of the string in upper case.**

```
function uppercase(str)
{
  var array1 = str.split(' ');
  var newarray1 = [];
  for(var x = 0; x < array1.length; x++){
     newarray1.push(array1[x].charAt(0).toUpperCase()+array1[x].slice(1));
  }
  return newarray1.join(' ');
}
console.log(uppercase("the quick brown fox"));
```
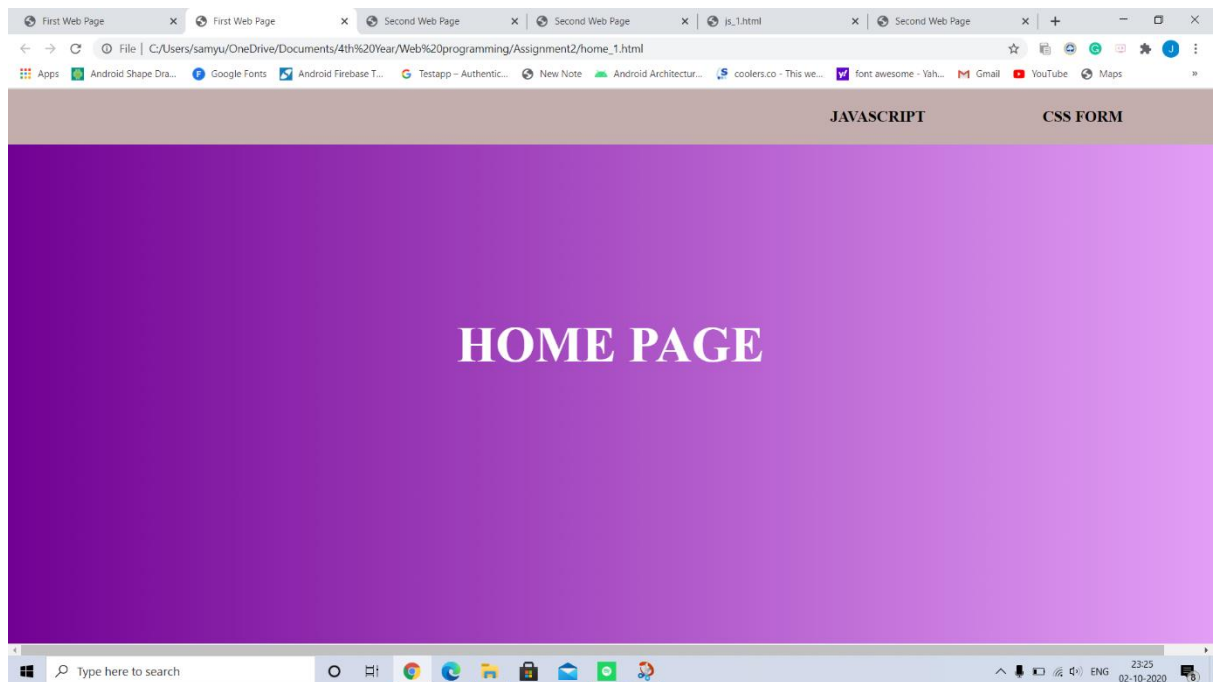
7) **that accepts a number as a parameter and check the number is prime or not.**

```
function test_prime(n)
{
 if (n===1)
 {
   return false;
 }
 else if(n === 2)
 {
   return true;
 }else
 {
   for(var x = 2; x < n; x++)
```

```
    {
      if(n % x === 0)
      {
        return false;
      }
    }
    return true;
  }
}

console.log(test_prime(37));
```

WEB PAGE 1

HOME PAGE:

Code:
<!DOCTYPE Html>
<html>
      <head>

```html
        <title>First Web Page</title>
        <link rel="stylesheet" type="text/css" href="./style.css">

</head>

<body>

        <div class="navbar">

                <a href="js_1.html" style="margin-left:
60rem;">JavaScript</a>
                <a href="css_1.html">CSS Form</a>

        </div>

        <h1>Home Page</h1>

</body>

</html>
```

Css part:
```css
body{
        margin: 0;
        padding: 0;
        background-image: linear-gradient(to right, #710193,  #E39FF6)
}

h1{
        color: white;
        top: 40%;
        left: 50%;
        transform: translate(-50%, -50%);
        position: absolute;
        font-size: 4rem;
        font-weight: bolder;
        text-transform: uppercase;
}

.navbar{
        display: inline-block;
        background-color: #c4aead;
        padding: 1.5rem;
        overflow: hidden;
```

```css
        font-size: 20px;
        width: 100%;
        color: white;
}


.navbar a{
        margin: 0.5rem;
        text-decoration: none;
        color: black;
        text-align: right;
        padding: 4rem;
        font-weight: bold;
        text-transform: uppercase;
}
```
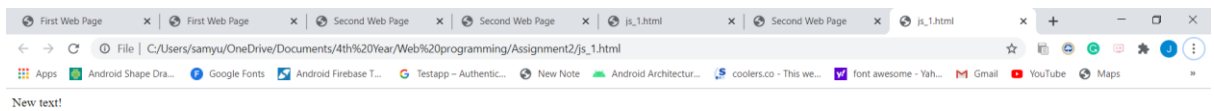
JAVASCRIPT:

Code:
```html
<html>
<body>

<p id="p1">Hello World!</p>

<script>
document.getElementById("p1").innerHTML = "New text!";
```

```
</script>

</body>
</html>
```

CSS FORM:

HTML PART:
```
<!DOCTYPE Html>
<html>
        <head>
                <title>First Web Page</title>
                <link rel="stylesheet" type="text/css" href="style_1.css">

        </head>

        <body>

                <div class="login-form">

                        <h1 class="heading">Details</h1>

                        <form>
```
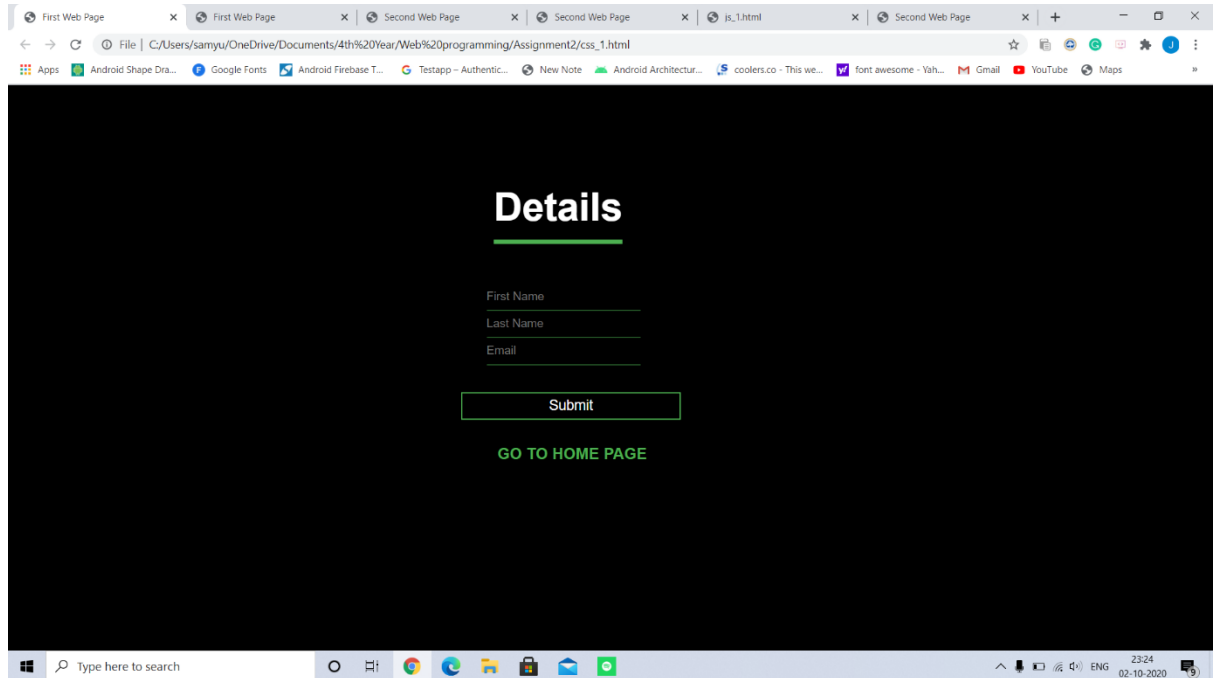
```html
                        <input type="text" class="textbox"
placeholder = "First Name" name="fname"><br>
                        <input type="text" class="textbox"
placeholder="Last Name" name="lname"><br>
                        <input type="email" class="textbox"
placeholder="Email" name="email"><br>
                        <input class="btn" type="button"
value="Submit">

            </form>

            <div class="anchor">
                <a href="home_1.html">Go to home
page</a>
            </div>

        </div>

    </body>
</html>
```

CSS PART:
```css
.login-form h1{
    float: left;
    margin-left: 1.2rem;
    font-size: 50px;
    border-bottom: 6px solid #4caf50;
    margin-bottom: 50px;
    padding: 13px 0;
}

.textbox{
    width: 100%;
    overflow: hidden;
    padding: 8px 0;
    margin: 8px 0;
    border-bottom: 1px solid;
}
```

```css
.textbox{
        border: none;
        border-bottom: 1px solid #4caf50;
        outline: none;
        background: none;
        color: white;
        font-size: 15px;
        width: 70%;
        float: left;
        margin: 0 10px;
}

.btn{
        width: 100%;
        background: none;
        border: 2px solid #4caf50;
        color: white;
        padding: 5px;
        font-size: 18px;
        cursor: pointer;
        margin-top: 35px;
        margin-left: -1.4rem;
        margin-bottom: 2rem;
}

.anchor a{
        text-decoration: none;
        text-transform: uppercase;
        padding-top: 1rem;
        color: #4caf50;
        font-weight: bolder;
        font-size: 20px;
        margin: 1.5rem;
}
```
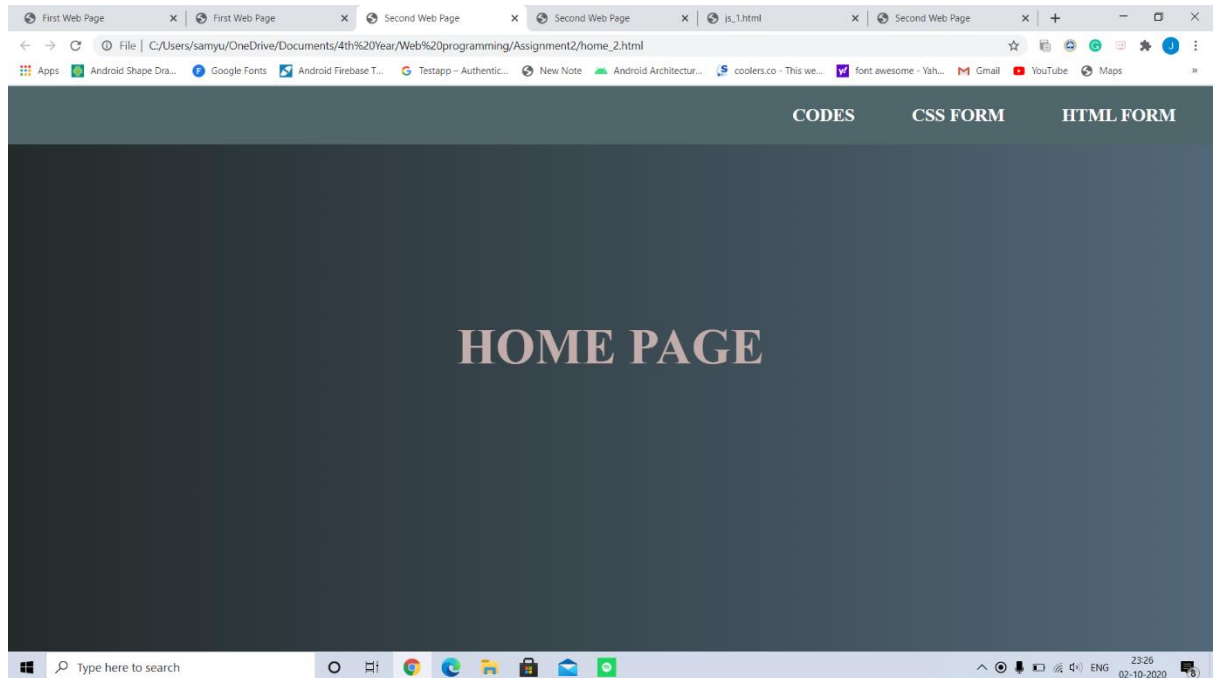
Web page 2 –

WEB PAGE 2

HOME PAGE:

HTML CODE:

```
<!DOCTYPE Html>
<html>
    <head>
        <title>Second Web Page</title>
        <link rel="stylesheet" type="text/css" href="style_2.css">

    </head>

    <body>

        <div class="navbar">

            <a href="code.html" style="margin-left: 59rem;">Codes</a>
            <a href="css_2.html">CSS Form</a>
            <a href="html_2.html">HTML Form</a>

        </div>
```

```html
        <h1>Home Page</h1>

    </body>

</html>
```

CSS CODE:

```css
body{
        margin: 0;
        padding: 0;
        background-image: linear-gradient(to right, #232b2b, #536878);
        overflow: hidden;
}

h1{
        color: #c4aead;
        top: 40%;
        left: 50%;
        transform: translate(-50%, -50%);
        position: absolute;
        font-size: 4rem;
        font-weight: bolder;
        text-transform: uppercase;
}

.navbar{
        display: inline-block;
        background-color: #4f666a;
        padding: 1.5rem;
        overflow: hidden;
        font-size: 23px;
        width: 100%;
        color: #738276;
}

.navbar a{
        margin: 0.1rem;
        text-decoration: none;
        color: white;
        text-align: right;
        padding: 2rem;
        font-weight: bold;
```
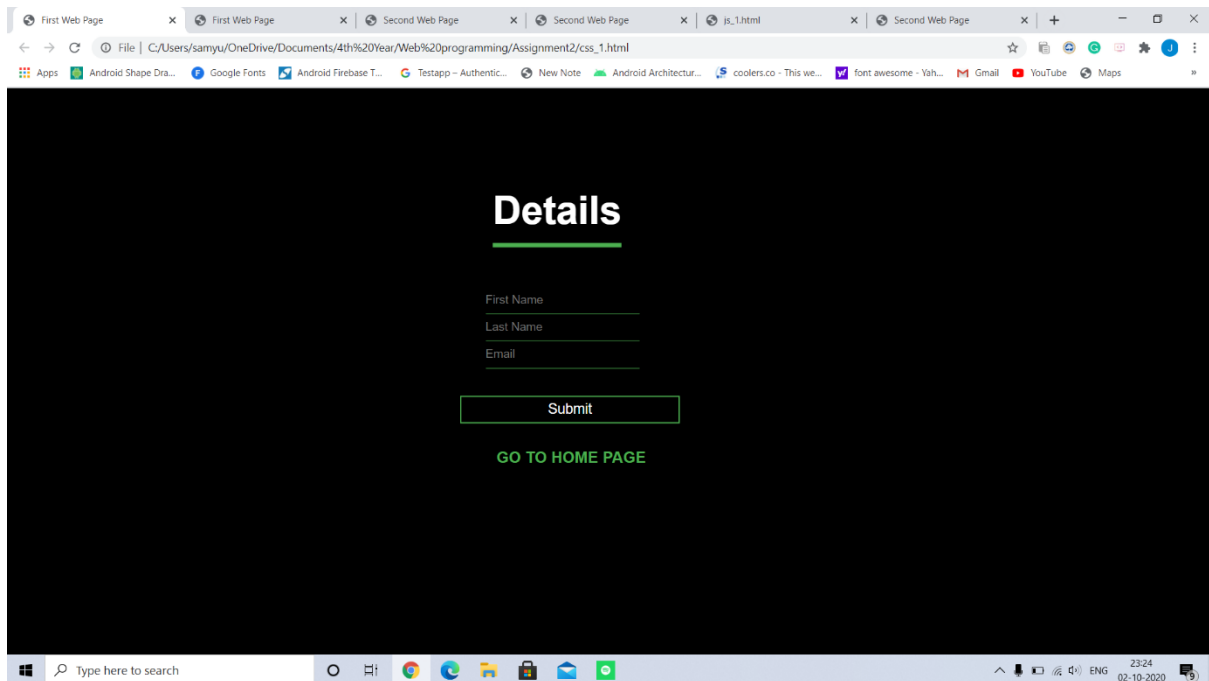
```
        text-transform: uppercase;
    }
```

CSS FORM:

HTML PART:
```
<!DOCTYPE Html>
<html>
    <head>
        <title>First Web Page</title>
        <link rel="stylesheet" type="text/css" href="style_1.css">

    </head>

    <body>

        <div class="login-form">

            <h1 class="heading">Details</h1>

            <form>
```

```html
                                <input type="text" class="textbox"
placeholder = "First Name" name="fname"><br>
                                <input type="text" class="textbox"
placeholder="Last Name" name="lname"><br>
                                <input type="email" class="textbox"
placeholder="Email" name="email"><br>
                                <input class="btn" type="button"
value="Submit">

                    </form>

                    <div class="anchor">
                            <a href="home_1.html">Go to home
page</a>
                    </div>

            </div>

        </body>
</html>
```

CSS PART:

```css
.login-form h1{
        float: left;
        margin-left: 1.2rem;
        font-size: 50px;
        border-bottom: 6px solid #4caf50;
        margin-bottom: 50px;
        padding: 13px 0;
}

.textbox{
        width: 100%;
        overflow: hidden;
        padding: 8px 0;
        margin: 8px 0;
        border-bottom: 1px solid;
}
```
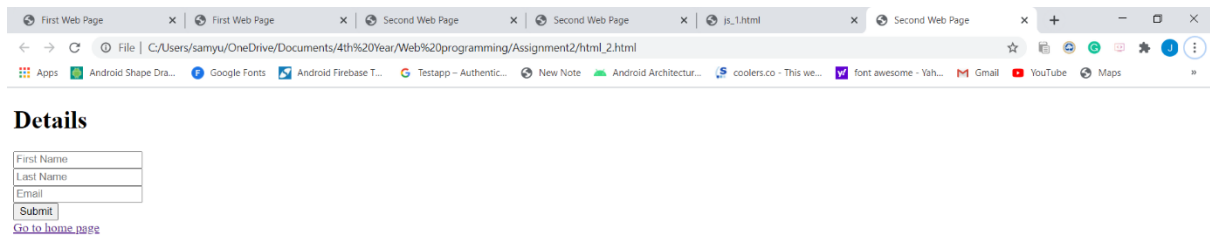
```css
.textbox{
        border: none;
        border-bottom: 1px solid #4caf50;
        outline: none;
        background: none;
        color: white;
        font-size: 15px;
        width: 70%;
        float: left;
        margin: 0 10px;
}

.btn{
        width: 100%;
        background: none;
        border: 2px solid #4caf50;
        color: white;
        padding: 5px;
        font-size: 18px;
        cursor: pointer;
        margin-top: 35px;
        margin-left: -1.4rem;
        margin-bottom: 2rem;
}

.anchor a{
        text-decoration: none;
        text-transform: uppercase;
        padding-top: 1rem;
        color: #4caf50;
        font-weight: bolder;
        font-size: 20px;
        margin: 1.5rem;
}
```

HTML FORM:

CODE:

```html
<!DOCTYPE Html>

<html>

        <head>

                <title>Second Web Page</title>


        </head>


        <body>


                <div class="login-form">


                        <h1 class="heading">Details</h1>


                        <form>


                                <input type="text" class="textbox" placeholder = "First Name" name="fname"><br>
```

```
                              <input type="text" class="textbox" placeholder="Last Name"
name="lname"><br>

                              <input type="email" class="textbox" placeholder="Email"
name="email"><br>

                              <input class="btn" type="button" value="Submit">


                    </form>


                    <div class="anchor">
                              <a href="home_2.html">Go to home page</a>
                    </div>


          </div>


     </body>
</html>
```

CODES:


```
cout << "C++ Language"
int x = 5;
int y = 5;
cout << x + y;

printf("C Language")
int x = 5;
int y = 5;
printf("%d", (x + y));

print("Python Language")
x = 5
y = 5
print(x + y)

println("R Language");
x <- c(1, 2, 3);
y <- c(1, 2, 3);
z <- x + y
print(z)

Go to home page
```

CODE:

```html
<!DOCTYPE Html>

<html>

    <head>

        <title>Second Web Page</title>


    </head>


    <body>


        <code>

            cout << "C++ Language"<br>

            int x = 5;<br>

            int y = 5;<br>

            cout << x + y;<br>

            <br>
        </code>


        <code>

            printf("C Language")<br>

            int x = 5;<br>

            int y = 5;<br>

            printf("%d", (x + y));<br>

            <br>
        </code>


        <code>

            print("Python Language")<br>

            x = 5<br>
```

```html
      y = 5<br>

      print(x + y)<br>

      <br>

   </code>


   <code>

      println("R Language");<br>

      x <- c(1, 2, 3);<br>

      y <- c(1, 2, 3);<br>

      z <- x + y<br>

      print(z)<br>

      <br>

   </code>


   <a href="home_2.html">Go to home page</a>


</body>


</html>
```