CSE3002 - INTERNET AND WEB PROGRAMMING

Lab Assessment - 6

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Slot: L21+22

index.html

```
<!DOCTYPE html>
<html>
	<head>
		<title>Q1</title>
	</head>
	<style>
	ol {
		padding: 10px;
		margin: 10px;
	}
	li {
		font-size: 22px;
		margin: 15px;
	}
	a {
		text-decoration: none;
		color: black;
	}
	a:hover{
		color: blue;
	}
	</style>
	<body>

		<h1> Exercise 6 - 24/Sept/2020 </h1>
		<h2> by - Eesha Shetty(18BCE0857)</h2>
		<h3> Questions </h3>
		<ol>
		<li><a href = 'q1.html'>Take two numbers as input and perform addition, substraction, multiplication and division on them.</a>
			<li><a href = 'q2.html'>Find the factorial of a given number</a>
		<li><a href = 'q3.html'>List the fibonacci sequence upto a given number</a>
		<li><a href = 'q4.html'>Take a string as input and find if it is a palindrome or not</a>
```

```
            <li><a href = 'q5.html'>Find if a given number is prime or not</a>
            <li><a href = 'q6.html'>Calculate the grade using the mark given as input</a>
            <li><a href = 'q7.html'> Display a greeting according the time - Good Morning, Afternoon, Evening or Night</a>
            <li><a href = 'q8.html'> Create a textarea 4 rows and 30 columns wide. Create a button. On clicking the button modify the text properties of the text area like make it bigger, change it to a different color, underline it and two more effects of your choice</a>
            <li><a href = 'q9.html'>Design a calculator. It should also look like a calculator. (only design)</a>

            </ol>

    </body>
</html>
```

q1.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>Q1</title>
    </head>
    <body>
        <form id = "form" onsubmit="return calc()">
            a: <input type="number" id="a"/><br><br>
            b: <input type="number" id="b"/><br><br>
            <input type="submit"/>
        </form>
    <script>
    function calc() {
    var a = parseInt(document.forms["form"]["a"].value);
    var b = parseInt(document.forms["form"]["b"].value);

        document.write(`a + b = ${a+b}<br><br>`);
        document.write(`a - b = ${a-b}<br><br>`);
        document.write(`a * b = ${a*b}<br><br>`);
        document.write(`a / b = ${a/b}<br><br><br>`);
    document.write('<button onclick="window.location.reload();">Try Again</button>');

    }
    </script>
    </body>
```

```
</html>
```

q2.html

```
<!DOCTYPE html>
<html>
	<head>
		<title>Q2</title>
	</head>
	<body>
		<form id = "form" onsubmit="return fac();">
			a: <input type="number" id="a"/><br><br>
			<input type="submit"/>
		</form>
	<script>
	function fac() {
	var a = parseInt(document.forms["form"]["a"].value);
	var afac = 1;
	while(a!=1) {
	afac *= a;
	a--;
	}

	document.write(`a! = ${afac}<br><br>`);
	document.write('<button onclick="window.location.reload();">Try Again</button>');

	}

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

q3.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Q3</title>
</head>
<body>
  <input id="inp" type="number">
  <button type="submit" onclick="fibonacci()">Submit</button>
  <p id="output"></p>
```

```
  <script>

    function fibonacci() {
        num = document.getElementById("inp").value;
        console.log(num);
        if(num==1)
           return 0;
        if(num==2)
           return 1;
        var num1=0, num2=1, sum, i=2;
        document.write(num1, "\n", num2, "\n");
        while (i<num) {
           sum=num1+num2;
           num1=num2;
           num2=sum;
           i+=1;
           document.write(num2, "\n");
        }
             document.write("<br><br><button onclick = window.location.reload();>Try
Again</button>");
     }

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

q4.html

```
<!DOCTYPE html>
<html>
        <head>
                <title>Q4</title>
        </head>
        <body>
                <form id = "form" onsubmit="return pal();">
                        String: <input type="text" id="a"/><br><br>
                        <input type="submit"/>
                </form>
                <p id = "res"></p>
        <script>
        function pal() {
        var a = document.forms["form"]["a"].value
```

```
        var r = a.split('').reverse().join('')


        if(r === a)
                document.getElementById("res").innerHTML = "Palindrome"
        else
                document.getElementById("res").innerHTML = "Not a Palindrome"

        return false;
        }
        </script>
        </body>
</html>
```

q5.html

```
<!DOCTYPE html>
<html>
<head>
   <title>Q5</title>
</head>
<body>
   <input id="inp" type="number">
   <button type="submit" onclick="prime()">Submit</button>
   <p id="res"></p>
   <script>
      function prime() {
         num = document.getElementById("inp").value;
         console.log(num);
         var flag;
         if (num === 1) {
            return false;
         } else if(num === 2) {
            return true;
         } else {
            for(var x = 2; x < num; x++) {
               if(num % x === 0) {
                  flag = false;
                  break;
               }
            }
         }
```

```
        if(flag === false) {
            document.getElementById("res").innerHTML = "Not a prime number";
        } else {
            document.getElementById("res").innerHTML = "It is a prime number";
        }
    }
  </script>
</body>
</html>
```

q6.html

```
<!DOCTYPE html>
<html>
        <head>
                <title>Q6</title>
        </head>
        <body>
                <form id = "form" onsubmit="return calc();">
                        Marks: <input type="number" id="marks"/><br><br>
                        <input type="submit"/>
                </form>
                <p id = "res"></p>
        <script>
        function calc() {
        var m = parseInt(document.forms["form"]["marks"].value);
        var grade;
        if(m>=90 && m<=100)
                grade = 'S';
        else if(m>=80 && m<90)
                grade = 'A';
        else if(m>=70 && m<80)
          grade = 'B';
      else if(m>=60 && m<70)
            grade = 'C';
        else if(m>=50 && m<60)
          grade = 'D';
      else if(m>=40 && m<50)
            grade = 'E';
        else if(m<40 && m>=0)
                grade = 'F';
        else
```

```
                grade = 'Invalid';

        document.getElementById("res").innerHTML = `Grade = ${grade}`

        return false;

        }
        </script>
        </body>
</html>
```

q7.html

```
<!DOCTYPE html>
<html>
<head>

   <title>Q7</title>
</head>
<body>
   <button onclick="greet()">Press Me</button>
   <p id="greeting"></p>

   <script>
      function greet() {
         var greeting;
         var time = new Date().getHours();
         if (time < 11) {
            greeting = "Good Morning";
         } else if (time < 16) {
            greeting = "Good Afternoon";
         } else {
            greeting = "Good Evening";
         }
                document.getElementById("greeting").innerHTML = `${greeting}!`;

      }
   </script>
</body>
</html>
```

q8.html

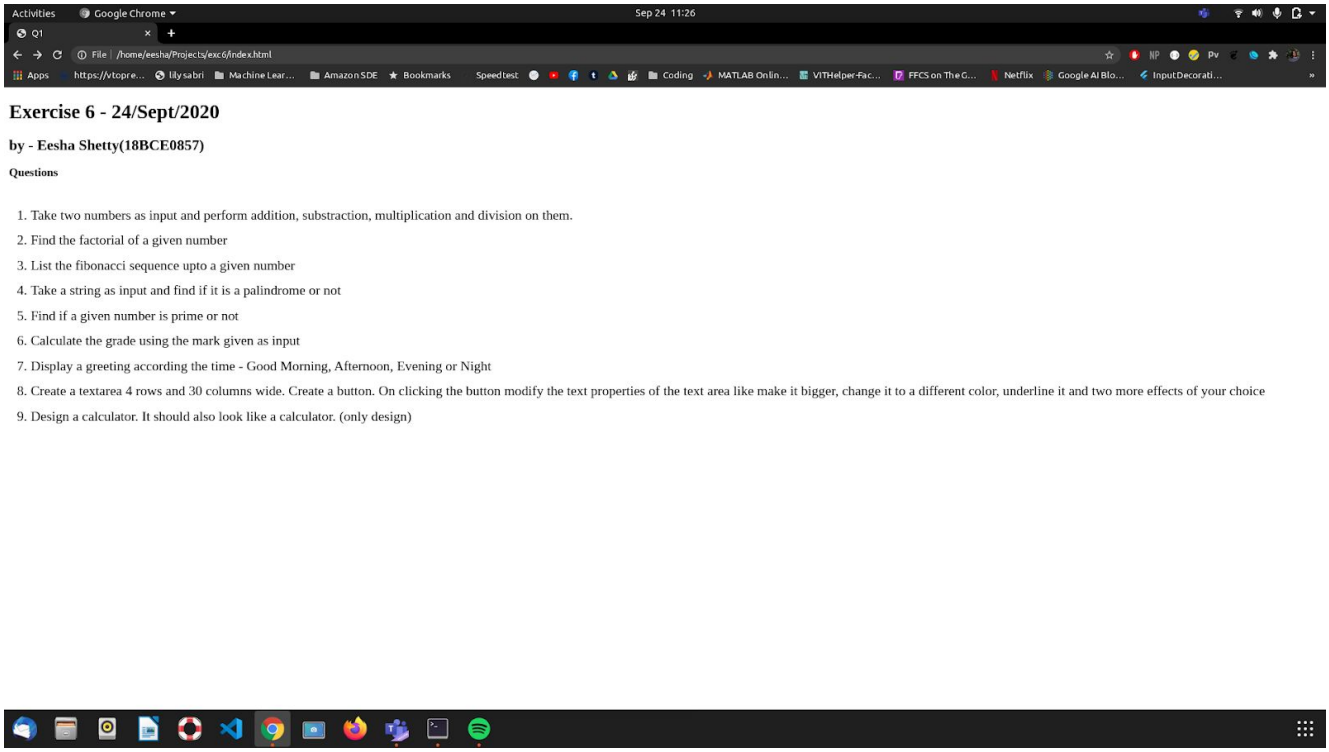
```
<!DOCTYPE html>
<html>
	<head>
		<title>Q8</title>
	</head>
	<body>

		<textarea id="txt" rows="4" cols="30"></textarea><br><br>
		<button onclick="return mod();">Modify</button>
		<button onclick="window.location.reload();">Reset</button>
	<script>
	function mod() {
		area = document.getElementById("txt");
		area.style.color = "blue";
		area.style.fontSize = "40px";
		area.style.textDecoration = "underline";
		area.style.fontStyle = "oblique";
		area.style.fontFamily = "Courier New";

		return false;

	}
	</script>
	</body>
</html>
```

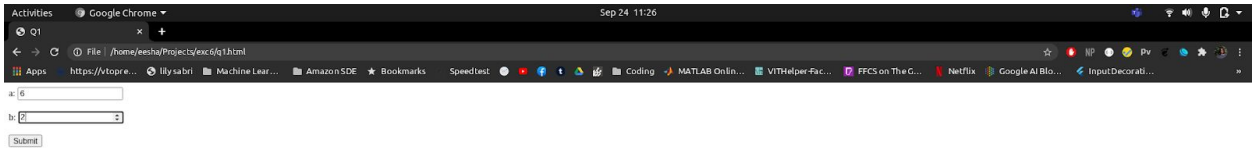
q9.html

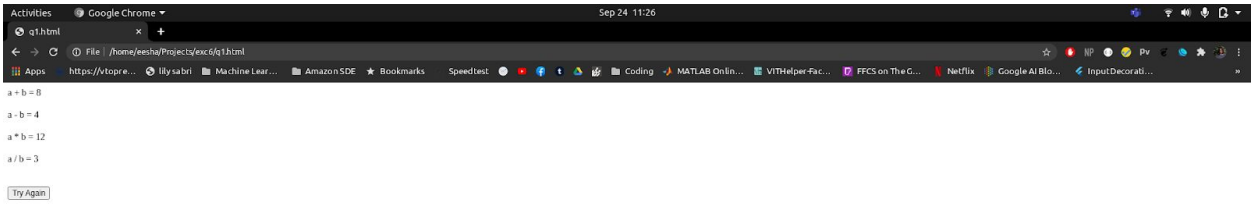
```
<body>
  <table border="1">
    <tr>
      <td colspan="3"><input type="text" id="result"></td>
      <td><input type="button" value="C"></td>
    </tr>
    <tr>
      <td><input type="button" value="1"></td>
      <td><input type="button" value="2"></td>
      <td><input type="button" value="3"></td>
      <td><input type="button" value="/"></td>
    </tr>
    <tr>
```

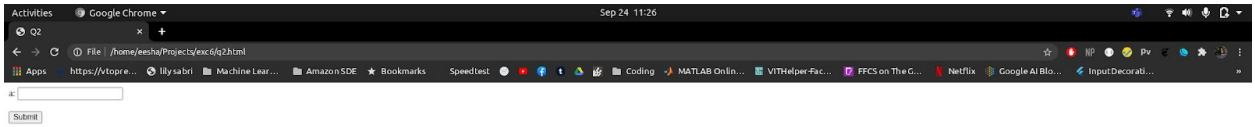
```
        <td><input type="button" value="4"></td>
        <td><input type="button" value="5"></td>
        <td><input type="button" value="6"></td>
        <td><input type="button" value="-"></td>
      </tr>
      <tr>
        <td><input type="button" value="7"></td>
        <td><input type="button" value="8"></td>
        <td><input type="button" value="9"></td>
        <td><input type="button" value="+"></td>
      </tr>
      <tr>
        <td><input type="button" value="."></td>
        <td><input type="button" value="0"></td>
        <td><input type="button" value="="></td>
        <td><input type="button" value="*"></td>
      </tr>
    </table>
</body>
</html>
```

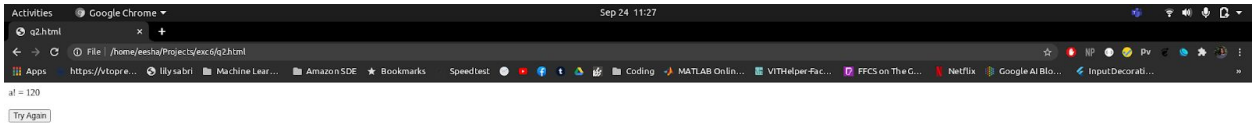
Output

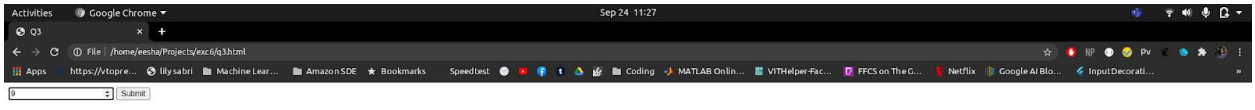


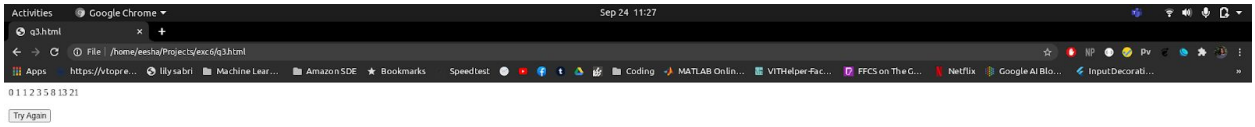

Activities
Google Chrome
Sep 24 11:26
Q1
File | /home/eesha/Projects/exc6/q1.html
Apps
https://vtopre...
lilly sabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
a: 6
b: 2
Submit

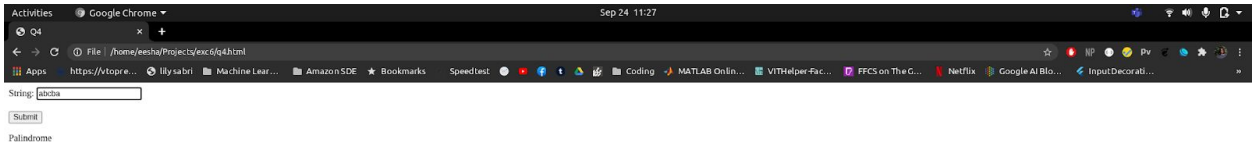

Activities
Google Chrome
Sep 24 11:26
q1.html
File | /home/eesha/Projects/exc6/q1.html
Apps
https://vtopre...
lilly sabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
a + b = 8
a - b = 4
a * b = 12
a / b = 3
Try Again

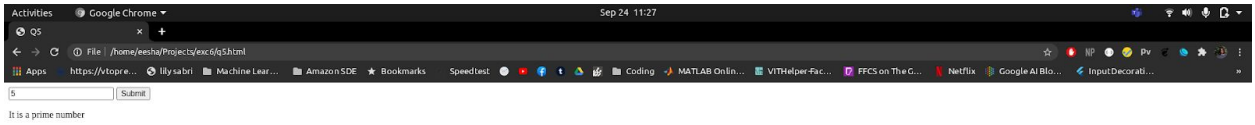

Activities
Google Chrome
Sep 24 11:26
Q2
File | /home/eesha/Projects/exc6/q2.html
Apps
https://vtopre...
lilysabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
a:
Submit

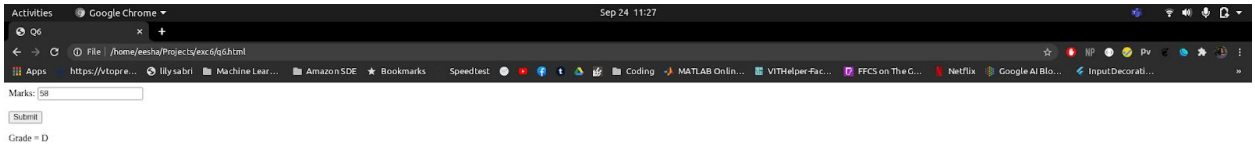

Activities
Google Chrome
Sep 24 11:27
q2.html
File | /home/eesha/Projects/exc6/q2.html
Apps
https://vtopre...
lilysabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
a! = 120
Try Again

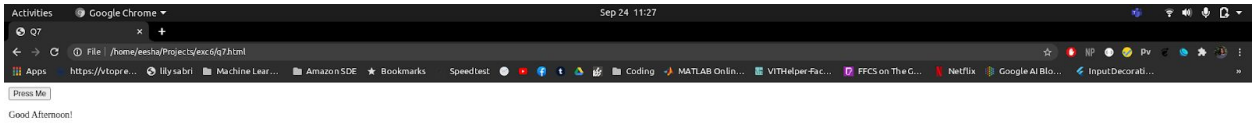

Activities
Google Chrome
Sep 24 11:27
Q3
File | /home/eesha/Projects/exc6/q3.html
Apps
https://vtopre...
lilysabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
9
Submit

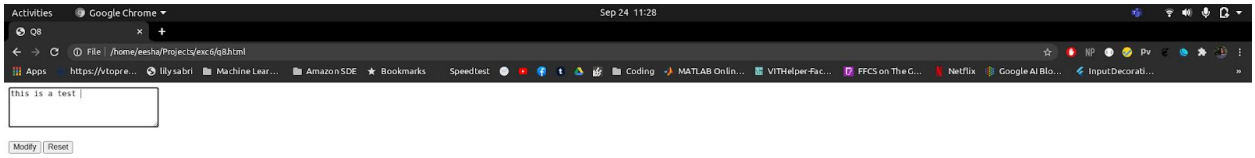

Activities
Google Chrome
Sep 24 11:27
q3.html
File | /home/eesha/Projects/exc6/q3.html
Apps
https://vtopre...
lilysabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
0 1 1 2 3 5 8 13 21
Try Again

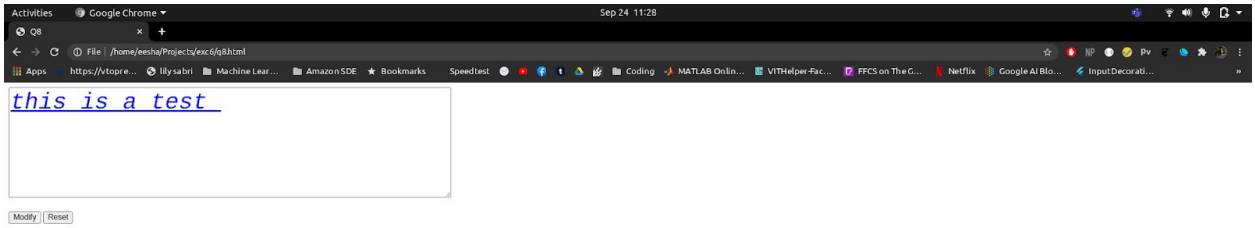

Activities
Google Chrome
Sep 24 11:27
Q4
File | /home/eesha/Projects/exc6/q4.html
Apps
https://vtopre...
lilysabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
String: abcba
Submit
Palindrome

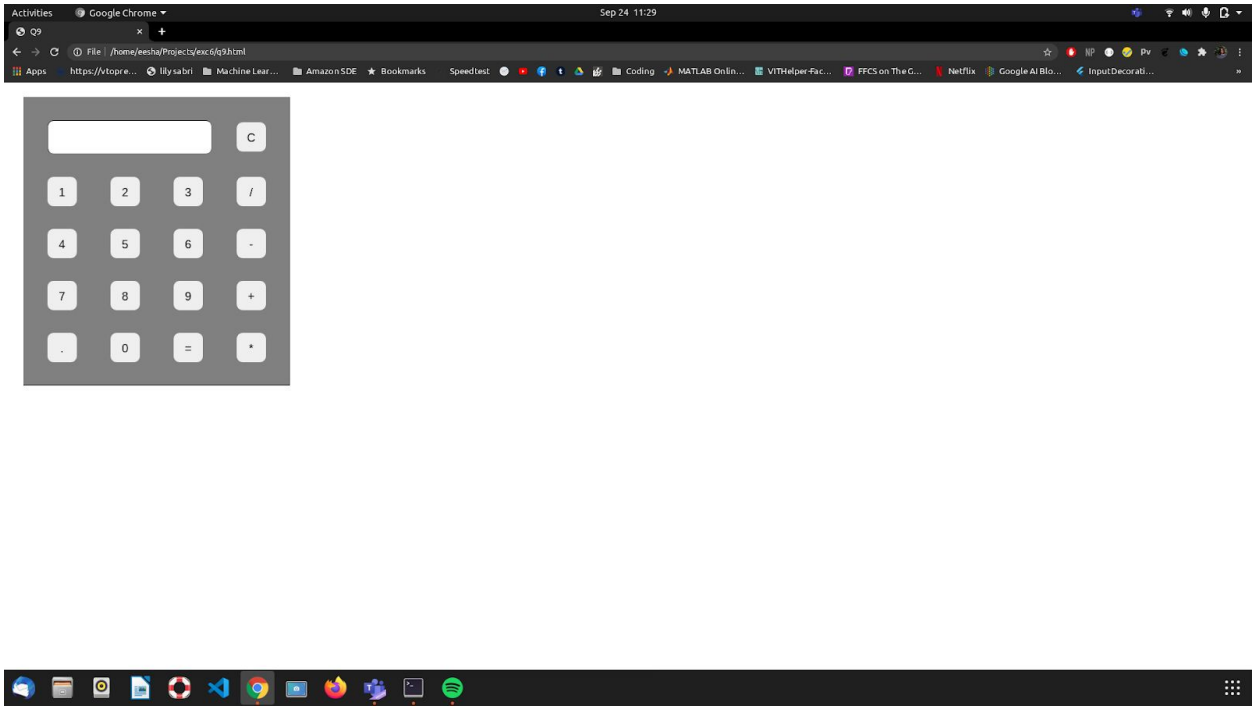

Activities
Google Chrome
Sep 24 11:27
Q5
File | /home/eesha/Projects/exc6/q5.html
Apps
https://vtopre...
lilysabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
5
Submit
It is a prime number


Activities
Google Chrome
Sep 24 11:27
Q6
File | /home/eesha/Projects/exc6/q6.html
Apps
Marks: 58
Submit
Grade = D


Activities
Google Chrome
Sep 24 11:27
Q7
File | /home/eesha/Projects/exc6/q7.html
Apps
Press Me
Good Afternoon!


Activities
Google Chrome
Sep 24 11:28
Q8
File | /home/eesha/Projects/exc6/q8.html
Apps
https://vtopre...
lilysabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
this is a test
Modify
Reset


Activities
Google Chrome
Sep 24 11:28
Q8
File | /home/eesha/Projects/exc6/q8.html
Apps
https://vtopre...
lilysabri
Machine Lear...
Amazon SDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
this is a test
Modify
Reset


Activities
Google Chrome
Sep 24 11:29
Q9
File | /home/eesha/Projects/exc6/q9.html
Apps
https://vtopre...
lilysabri
Machine Lear...
AmazonSDE
Bookmarks
Speedtest
Coding
MATLAB Onlin...
VITHelper-Fac...
FFCS on The G...
Netflix
Google AI Blo...
InputDecorati...
C
1
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7
8
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+
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*