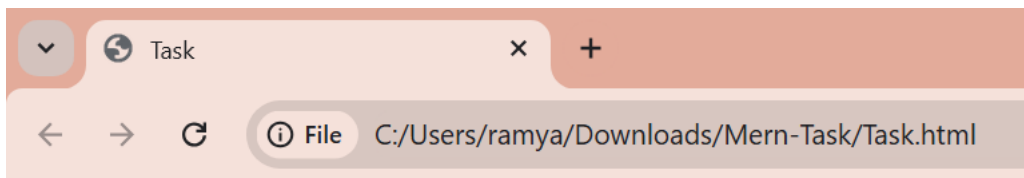


Task 36 :

```
<!DOCTYPE html>
<head>
  <title>
    Task
  </title>
</head>
<body>
  <script>
    let a = 10;
    if( a % 2 == 0){
      document.write("The number "+a+" is even");
    }
    else{
      document.write("The number "+a+" is odd");
    }
  </script>
</body>
</html>
```



The number 10 is even

Task 37:

```
<!DOCTYPE html>
<head>
  <title>
    Task
  </title>
</head>
<body>
  <script>
    let a = parseInt(prompt("Enter a Number: "));
    if(isNaN(a)){
      document.write("Enter a valid Number");
    }
    else{
      if(a<0){
        document.write("The number "+a+" is Negative");
      }
      else if(a == 0)
        document.write("The number is 0");

      else
      {
        document.write("The number "+a+" is positive");
      }
    }
  </script>
</body>
</html>
```

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

Mern-Task/Task.html

This page says

Enter a number:

-1|

OK

Cancel

Mern-Task/Task.html

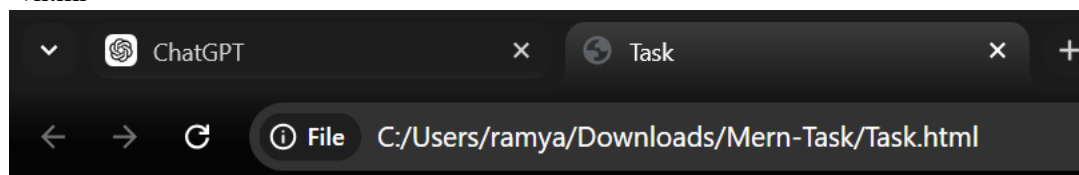
This page says

Negative

OK

Task 38:

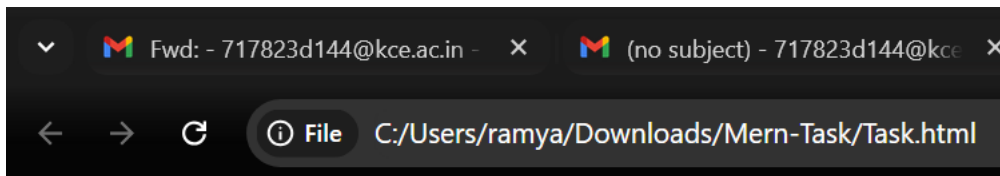
```
<!DOCTYPE html>  
<head>  
  <title>Task</title>  
</head>  
<body>  
  <script>  
    var Result = 7<10 ? "True" : "False";  
    document.write(Result);  
  </script>  
</body>  
</html>
```



True

Task 39:

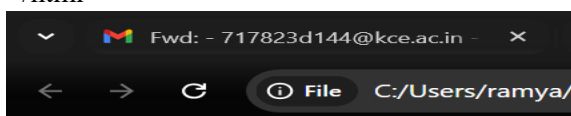
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    let age = 18;
    let year;
    age = age ?? 11;
    year = year ?? 2024;
    document.write("Age: "+age+"<br>");
    document.write("Year: "+year+"<br>");
  </script>
</body>
</html>
```



Age: 18
Year: 2024

Task 40:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    let num = 25;
    let iseven = (num % 2) ? "odd" : "even";
    document.write(iseven);
  </script>
</body>
</html>
```

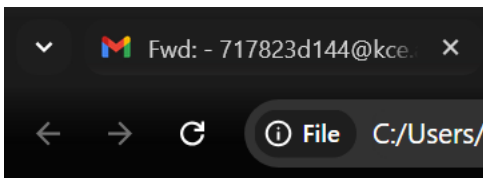


odd

Task 41:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    let a = 0;
    let b = 34;

    if (a < 0 && b == 0) {
      document.write("False"+"<br>");
    }
    if (a > 0 || b > 0) {
      document.write("True"+"<br>");
    }
    if(a != b){
      document.write("A is not equal to B"+"<br>");
    }
  </script>
</body>
</html>
```

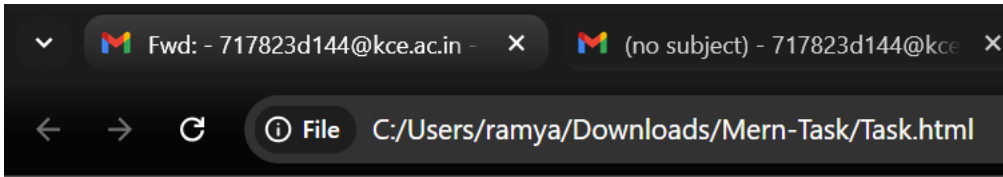


True
A is not equal to B

Task 42:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    let num = 12;
    if (num >= 20 && num <= 30) {
      document.write("number is within the range");
    } else {
      document.write("number is not within the range");
    }
  </script>
```

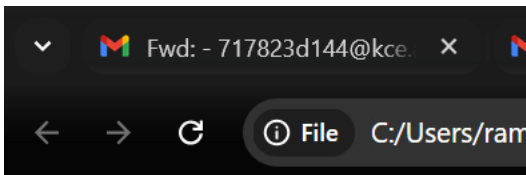
```
</script>
</body>
</html>
```



number is not within the range

Task 43:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    let isfull = true;
    let res = !isfull;
    document.write(res);
  </script>
</body>
</html>
```



false

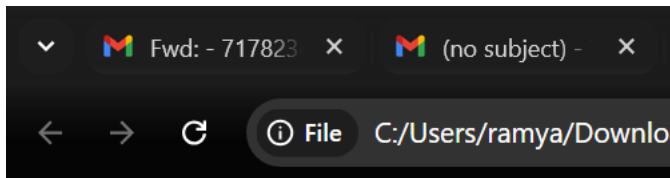
Task 44:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    if (true || false || false) {
      document.write("short circuited"+"<br>");
    } else {
      document.write("not short circuited"+"<br>");
    }
  </script>
</body>
</html>
```

```

    if (false && true && true) {
        document.write("not short circuited"+"<br>");
    } else {
        document.write("Short circuited"+"<br>");
    }
</script>
</body>
</html>

```



short circuited
Short circuited

Task 45:

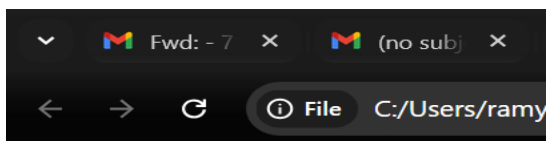
```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        let a = 45;
        let b = 0;
        let c = 76;

        if (a && c) {
            document.write("hello C"+"<br>");
        }

        if (b && c) {
            document.write("hello C++"+"<br>");
        } else {
            document.write("hello JS"+"<br>");
        }
    </script>
</body>
</html>

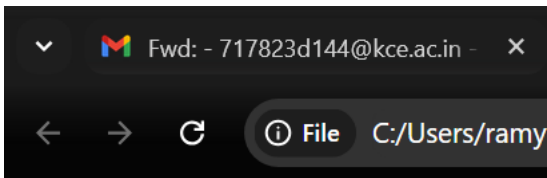
```



hello C
hello JS

Task 46:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    function sum(a, b) {
      return a + b;
    }
    document.write(sum(3, 5));
  </script>
</body>
</html>
```

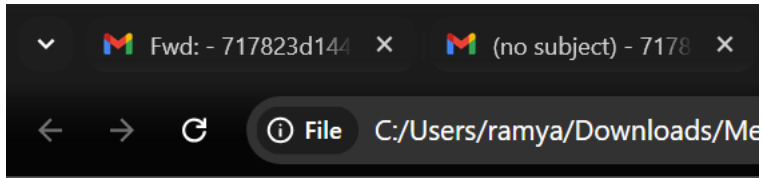


8

Task 47:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    function rec_area(len, bre) {
      return len * bre;
    }

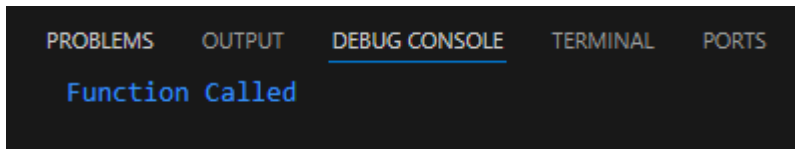
    let length = 6.8;
    let breadth = 5.5;
    document.write(rec_area(length, breadth));
  </script>
</body>
</html>
```



37.4

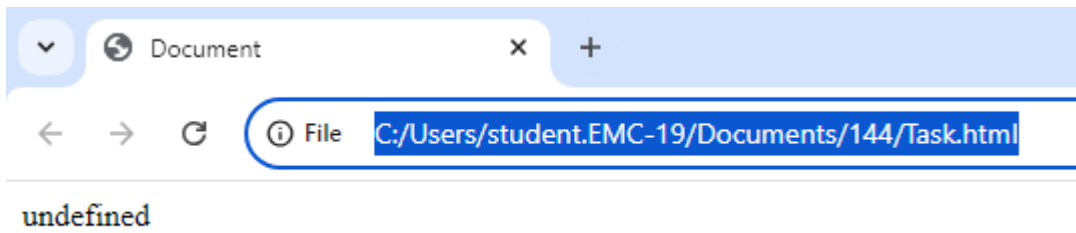
Task 48:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    function Cad(){
      console.log("Function Called");
    }
    Cad();
  </script>
</body>
</html>
```



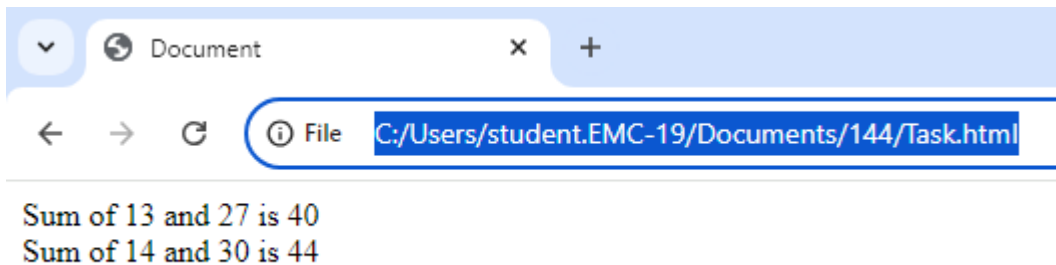
Task 49:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    function Cad(){
      return;
    }
    document.write(Cad());
  </script>
</body>
</html>
```

Task 50:

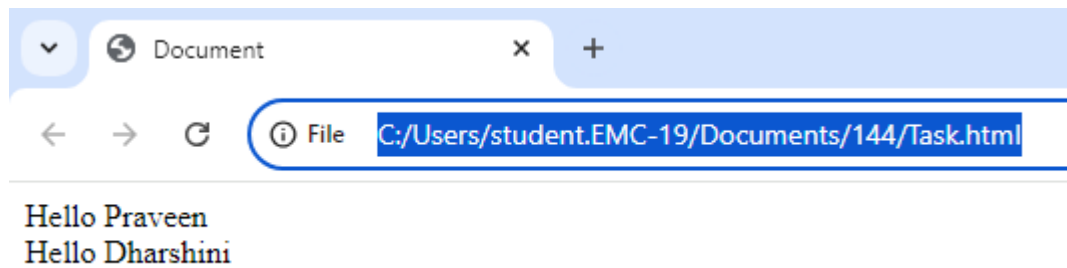
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    function Sum(n1,n2){
      return n1 + n2;
    }
    document.write("Sum of 13 and 27 is "+Sum(13,27)+"<br>");
    document.write("Sum of 14 and 30 is "+Sum(14,30)+"<br>");
  </script>
</body>
</html>
```



Task 51:

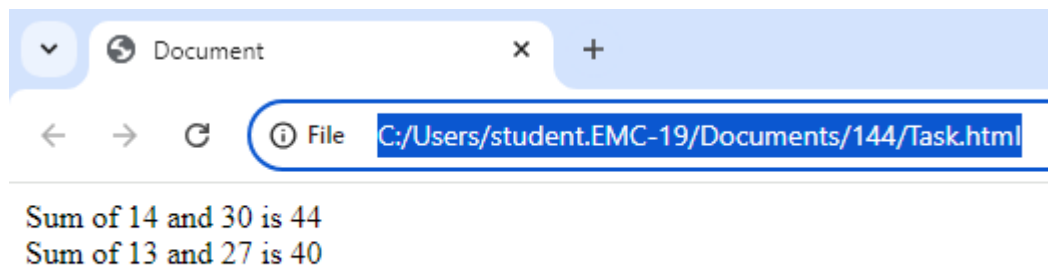
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    let greet = (name) => {
      document.write("Hello "+name);
    }
    greet("Praveen"+"<br>");
  </script>
</body>
</html>
```

```
    greet("Dharshini");
</script>
</body>
</html>
```



Task 52:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    let Add = (n1,n2) => {
      document.write("Sum of "+n1+" and "+n2+" is "+(n1+n2)+"<br>");
    }
    Add(14,30);
    Add(13,27);
  </script>
</body>
</html>
```



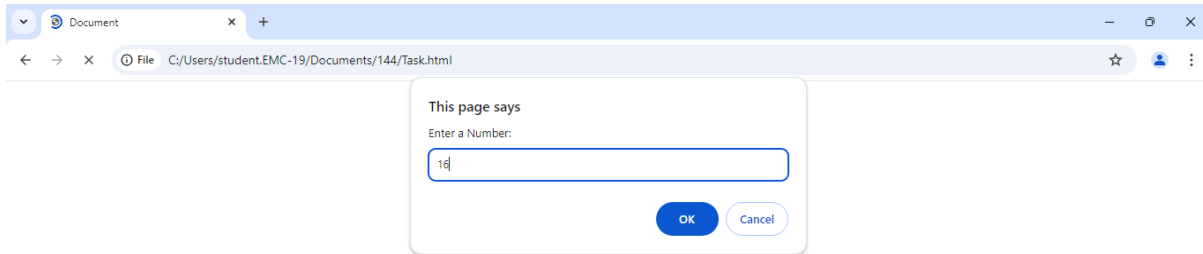
Task 53:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
```

```

<script>
    let n = parseInt(prompt("Enter a Number: "));
    let Iseven = (n) => (n % 2 == 0);
    document.write("The number "+n+" is "+Iseven(n)+"<br>");
</script>
</body>
</html>

```

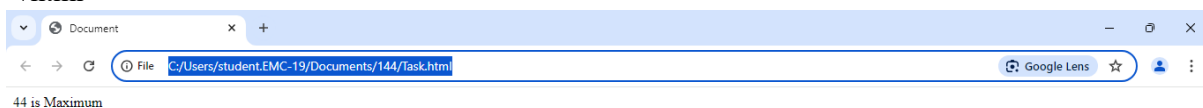


Task 54:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        let Max = (n1,n2) => {
            return (n1 > n2) ? +n1+" is Maximum" : +n2+" is Maximum";
        }
        document.write(Max(40,44));
    </script>
</body>
</html>

```



Task 55:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>

```

```
<body>
  <script>
    let myObject = {
      value: 11,
      multiplyTraditional: function(num) {
        this.value *= num;
        console.log(this.value);
      },
      multiplyArrow: (num) => {
        myObject.value *= num;
        console.log(myObject.value);
      }
    }
    myObject.multiplyTraditional(5);
    myObject.multiplyArrow(8);
  </script>
</body>
</html>
```

