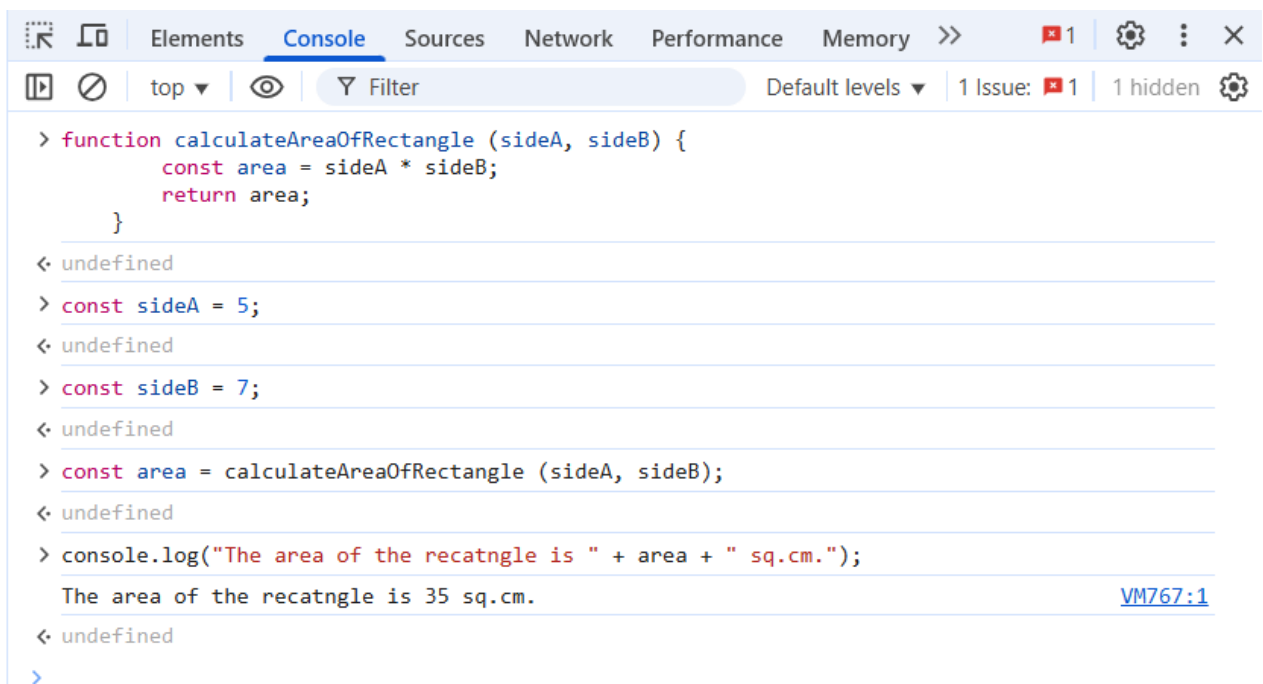


Homework: Programming Languages

Problems for homework for the "Software Technologies" course @ Software University
Submit this document as your homework.

1. JavaScript

1. Open the Browser Console.
2. Create a JS function for **calculating and returning the area of a rectangle**.
3. **Create the constants needed** and **assign** some random **values**:
4. **Execute the JS function** in the Browser Console:
5. **Print the calculated area on the Browser Console** in the following format: "The area of the rectangle is: areaValue sq.cm.":
6. **Example:**



```
> function calculateAreaOfRectangle (sideA, sideB) {  
    const area = sideA * sideB;  
    return area;  
}  
  
< undefined  
> const sideA = 5;  
  
< undefined  
> const sideB = 7;  
  
< undefined  
> const area = calculateAreaOfRectangle (sideA, sideB);  
  
< undefined  
> console.log("The area of the recatngle is " + area + " sq.cm.");  
The area of the recatngle is 35 sq.cm. VM767:1  
  
< undefined  
>
```

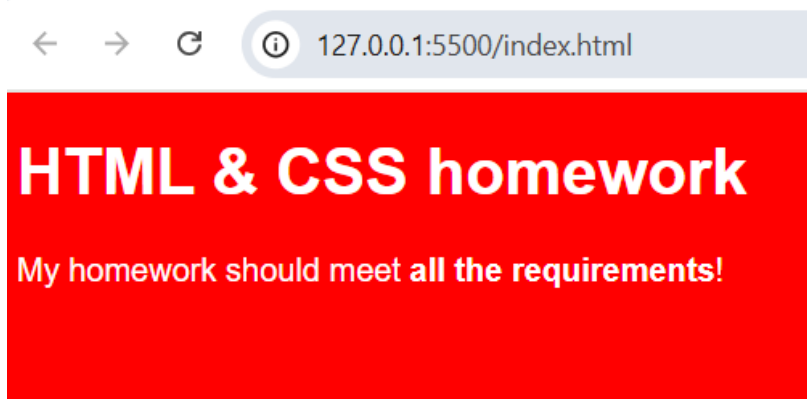
! Replace all example pictures with screenshots from your PC.

2. HTML & CSS

1. Using the tutorial from the Exercise Document, Crate a simple Web Page that looks like the Example Below.
2. Example:

```
index.html X # style.css
index.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <link rel="stylesheet" href="style.css">
7   <title>Index</title>
8 </head>
9 <body>
10   <h1>HTML & CSS homework</h1>
11   <p>My homework should meet <strong>all the requirements</strong>!</p>
12 </body>
13 </html>
```

```
index.html # style.css X
# style.css > body
1 body{
2   background-color: red;
3   font-family: Arial, Helvetica, sans-serif;
4   color: white;
5 }
```



! Replace all pictures with screenshots from your PC.