

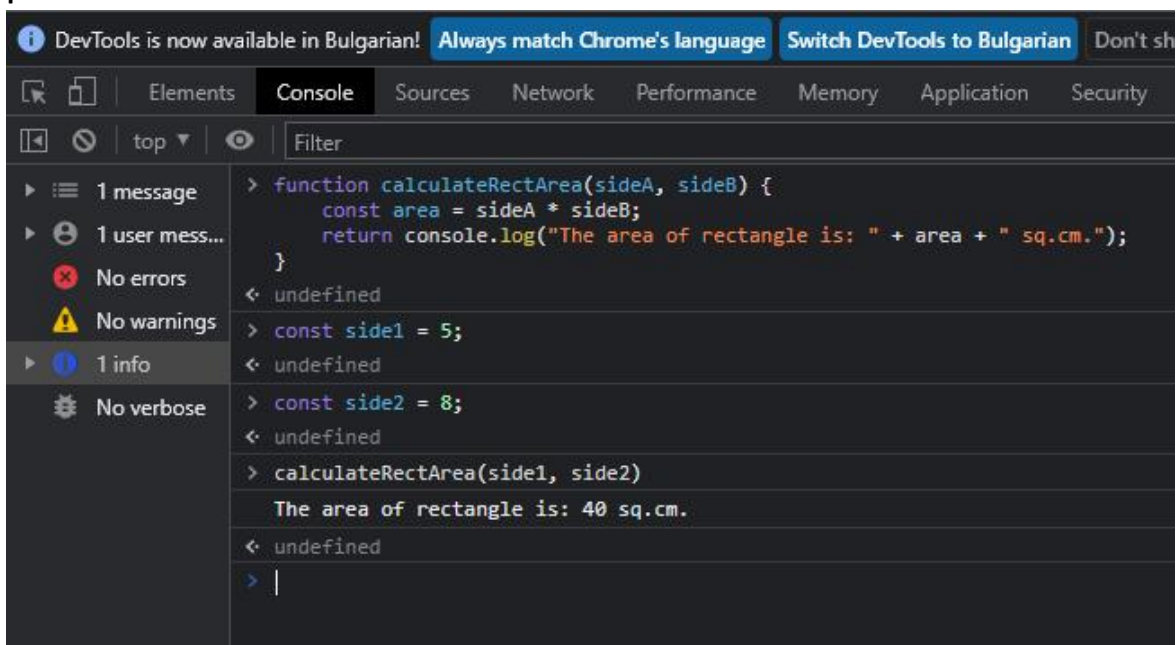
Homework: Programming Languages

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:

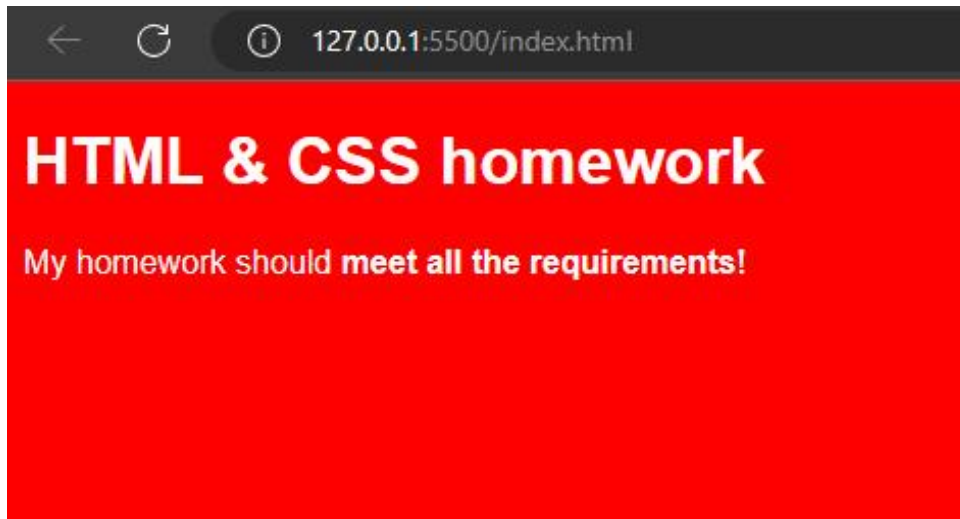


```
function calculateRectArea(sideA, sideB) {  
  const area = sideA * sideB;  
  return console.log("The area of rectangle is: " + area + " sq.cm.");  
}  
  
> const side1 = 5;  
< undefined  
  
> const side2 = 8;  
< undefined  
  
> calculateRectArea(side1, side2)  
The area of rectangle is: 40 sq.cm.  
< undefined  
  
> |
```

! Replace all example pictures with screenshots from your PC.

2. HTML & CSS

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



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

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

! Replace all pictures with screenshots from your PC.