**JS Intro**

**DEADLINE:** 19/08/2018

**FOLDER STRUCTURE**

|  |  |
| --- | --- |
| FE\_9\_6\_homework\_js-intro/\*     └─ task/      └─ FE\_9\_6\_homework\_js-intro.docx  └─ homework/\*     └─ src/\*  └─ js/\*  └─ task1.js\*  └─ task2.js\*  └─ task1.html\*  └─ task2.html\* | \* ­­­- required |

**TASK**

1. Calculate the total price with a discount
2. User input amount of money (use prompt function).
3. User input the discount (use prompt function).
4. Show new message in console (use console.log function only once):

For input data 4950(price) and 30(discount):

Price without discount: 4950

Discount: 30%

Price with discount: 3465

Saved: 1485

For input data -60(price) and 30(discount):

’Invalid data’

In console show only 2 number after comma (if needed):

2.1578746 => 2.15

0.00123 => 0

5 => 5

1. Find the length of the third side of a triangle when you know the length of two sides and the angle in between. Also find square and perimeter of the triangle.
2. User input two length of sides and angle (Use prompt for each value).
3. Find third side length, square and perimeter of the triangle.
4. Show new message in console (use console.log function only once).

For input data 10(a length), 20(b length), 30(α- angle):

c length: 12.39

Triangle square: 50

Triangle perimeter: 42.39

For input data -2(a length), 20(b length), 30(α-angle):

’Invalid data’

In console show only 2 number after comma (if needed):

2.1578746 => 2.15

0.0340 => 0.03

0.0034 => 0 (If 0 display ‘Invalid data’ because square or length of triangle’s side can’t be equal 0)

1. => 5

**BEFORE SUBMIT**

* In order to use npm package manager you should install nodejs (

https://nodejs.org/ )

* Install eslint to check your code (npm install -g eslint)

- open a terminal(or cmd)

- go to src folder

- run eslint (i.e. eslint ./js/task1.js)

Code should be without ‘errors’

* Code has to be well-formatted, and validated via validator.
* Please note, that one js file should contain one task

**SUBMIT**

* The folder should be uploaded to github repository 'fl-9' into master branch

**USEFUL LINKS**

* <https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Math>