Challenges

Rules

1   If you have Syntax Error, Solve it yourself. You are able to do that.

2   Mentors exist to guide you *to the best way to solve the problem and why errors raised* not *to solve the problem or trace your code to solve syntax errors.*

3   Steps of Solving the problem:
-Think.
-Think again.
-Use Pen and Papers to convert your thoughts into Procedures.
-Convert your previous pseudo code into JavaScript Code using its syntax rules.
-Don't be afraid of syntax errors. It is easy to solve. Read it clearly and you will solve it.
- Check the output of every step you do and then check them all.

4   The most important rule is to enjoy challenging yourself and don't stress your mind by the headache of assignments delivery's deadlines.

JS

Fizz Buzz Game

★ ★ ★

Write a function that take a number ad check if the given number is divided by 3 only, 5 only or both and print the suitable sentence. Follow the below Rule.

Input	Number
	15

Output	Sentence
	"fizz buzz"

Notes

Rule :
divided by 3 only ="fizz", divided by 5 only ="buzz", divided by 3 & 5= "fizz buzz" ,
Neither divided by 3 nor 5 = "none"

Lab

JS

Bottle Game

★ ★ ★

Write a function that take an array of persons' names and return two random names of them.

array

Input ["ahmed", "islam", "sandra", "Fatma", "Ali"]

array

Output ["sandra", "Ali"]

JS

Character Game

★ ★ ☆

Write a function that take a sentence and a letter to search for it in the given sentence and return its locations in that sentence.

	String	Letter
Input	"This is javaScript"	"i"

	array
Output	[2, 5, 15]

JS

Greedy Game

★ ★ ★

Write a function that take a number and follow the below rule to convert it into dollars, quarters, dime, nickels and cents.

Input

Number

15.92

Output

Sentence

You have 15 dollar, 3 quarter, 1 dime, 1 nickel and 2 cent

Notes

Rule :
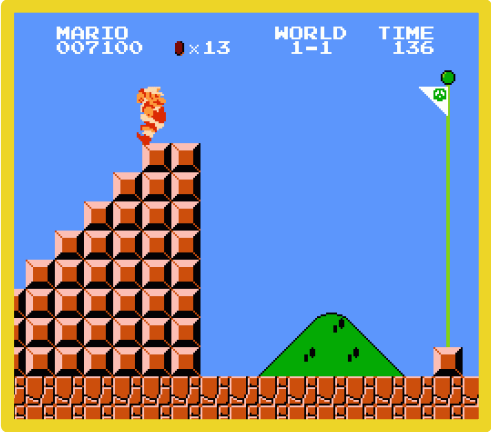*1 dollar = 100 cent, 1 quarter = 25 cent, 1 dime = 10 cent, 1 nickel = 5 cent*

JS

Mario Game

Number

Input

5

Output

Sentence

```
    *
   **
  ***
 ****
*****
```

Who Am I Game

Do you fly?

Yes

No

Are You Wild?

Do you live under sea?

Yes

No

Yes

No

And Where am I ?

Eagle

Parrot

Are You Wild?

Are You Wild?

Yes

No

Yes

No

Shark

Dolphin

Cat

Lab

JS