



**JS**

# JavaScript: The Game

Lab 1

# 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* **not** *to solve the problem or your 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.



## Letters Count Game

Input

String

"This is javaScript"

Letter

"i"

Output

Number

3



## Fizz Buzz Game

Write a function that take a number and 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

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

Sentence

"fizz buzz"



## Bottle Game



## Bottle Game

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

Input

array

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

Output

array

```
["sandra", "Ali"]
```



## 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.

Input

String

"This is javaScript"

Letter

"i"

Output

array

[2, 5, 15]



## 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

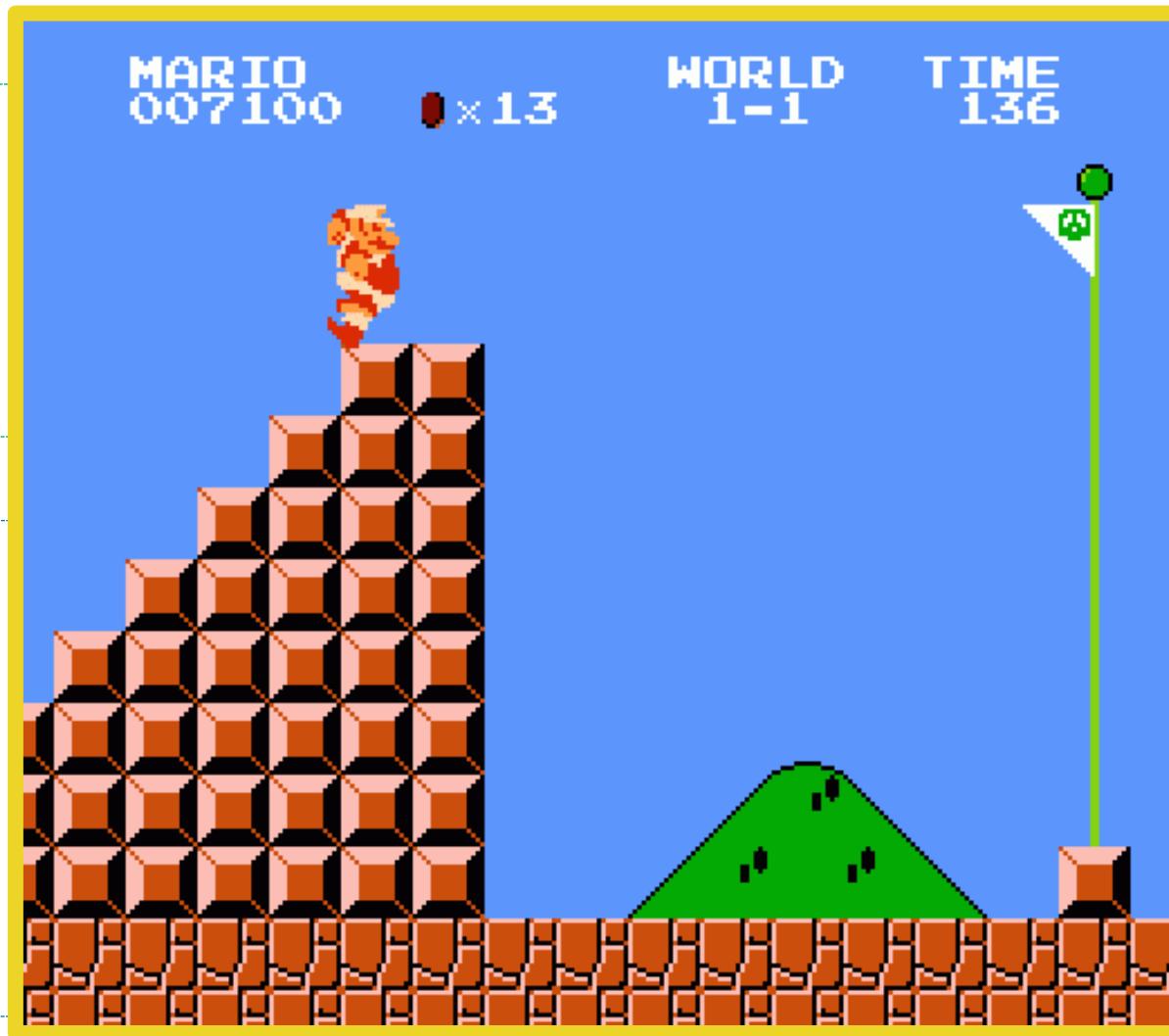
**Rule :** 1 dollar = 100 cent, 1 quarter = 25 cent, 1 dime = 10 cent, 1 nickel = 5 cent

Sentence

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



## Mario Game



## Mario Game

Input

Number

7

Output

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



# What am I Game

Do you fly?

Yes

No

Are You Wild?

Do you live under sea?

Yes

No

Yes

No

Are You Wild?

Are You Wild?

Yes

No

Yes

No



Eagle



Parrot



Shark



Dolphin



Lion



Cat

And  
Where  
am I ?





**Flash\*** badge

\* For the first one that who has completed the required assignments



THANK YOU

ahmedmowd@gmail.com