بوت کمپ ری اکت

تمرین ۴

Ex. 1

Create a program For Lonely Integer

You are given an array of integers having both negative and positive values, except for one integer which can be negative or positive. Create a function to find out that integer.

Examples

lonelyInteger([1, -1, 2, -2, 3]) ➞3
```
// 3 has no matching negative appearance.
```

lonelyInteger([-3, 1, 2, 3, -1, -4, -2]) ➞-4
```
// -4 has no matching positive appearance.
```

lonelyInteger([-9, -105, -9, -9, -9, -9, 105]) ➞-9

Ex. 2

Create a program

create a function named countCharacters that accepts two parameters, a character and a string. It should return the number of times the character is present in the string.

note:countCharacters('p', 'parisaEghbalipanjTapirahanDarad') => 3

Ex. 3

Create a program for the following

- If the month is 1, 3,5, 7, 8, 10, or 12, the number of days in a month is 31.
- If the month is 4, 6, 9, or 11, the number of days in that month is 30.
- If the month is 2, and the year is not the leap year, the number of days is 28. If the year is the leap year, the number of days is 29.
- If the month is not in the valid range (1-12), the default branch executes and sets the dayCount variable to -1, which indicates the invalid month.

Ex. 4

Create a program forSort an array

Using the bubble sort algorithm, take an array of numbers as input and sort it and display it as output.

an example of bubble sort for an iteration :

The following represents the bubble sort pass j = 0 through j = 4:

	0	1	2	3	4	5	6	
j = 0	3	5	2	11	4	7	13	as 3 ≯ 5, No swap needed
j = 1	3	5	2	11	4	7	13	as 5 > 2, swap 5 and 2
j = 2	3	2	5	11	4	7	13	as 5 ≯ 11, No swap needed
j = 3	3	2	5	11	4	7	13	as 11 > 4, swap 11 and 4
j = 4	3	2	5	4	11	7	13	as 11 > 7, swap 11 and 7
	3	2	5	4	7	11	13	11 has reached its position
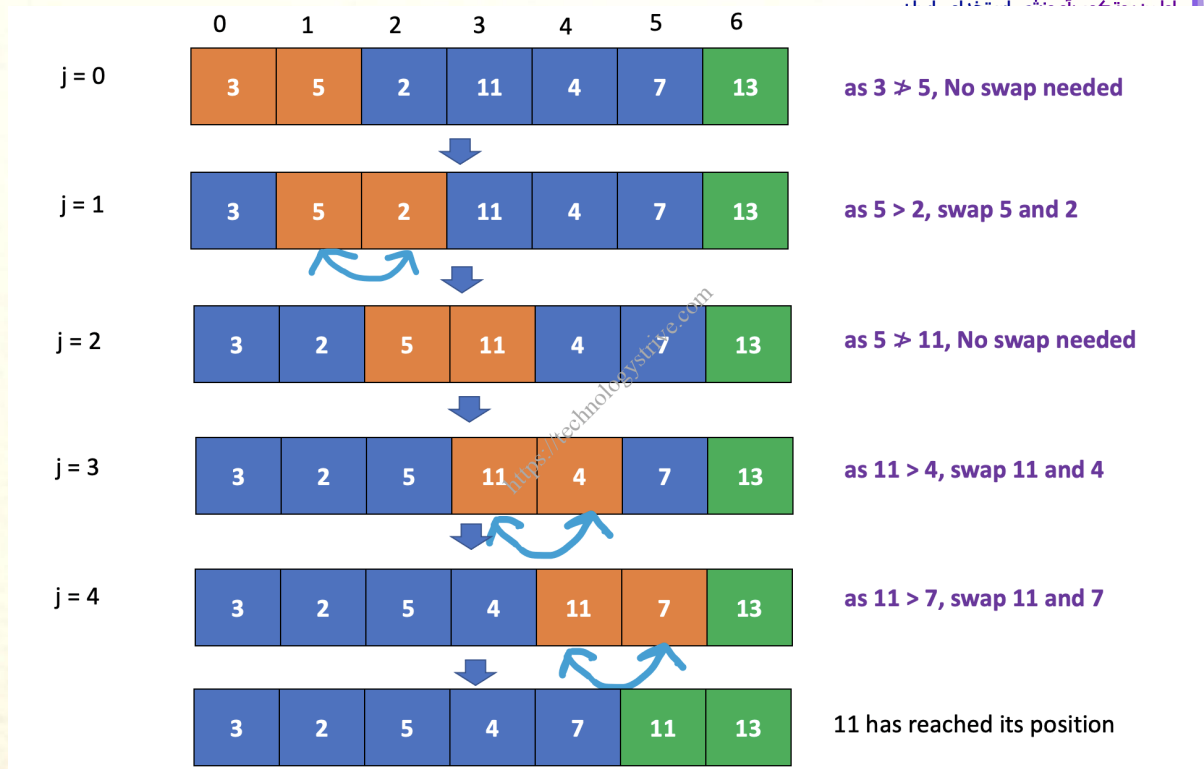
Ex. 5

Play the flexfroggy game and send each level's answer in a notepad file

https://flexboxfroggy.com/

example :

level 1 : justify-content: flex-end;

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