JS code based test

1. Write a function that accepts a string as a parameter. The function should check that the given string is a palindromic string. A palindromic string is the same when read either from start or end. Eg. `racecar` is a palindromic string

2. Write a function to print even numbers between the given range n and m. e.g. n = 10 and m = 20 then the function should print

```
10

12

14

16

18

20

```

3. Write a function to filter odd numbers from a given array. e.g. given a = [1,2,3,4,5,6] then the function should return

```


[1,3,5]

```

4. Write a function that prints numbers the given range n and m. It should print `foo` if the number is multiple of 5. It should print `bar` if the number is multiple of 7. It should print `baz` if the number is multiple of 3 and 5. e.g. n = 10 m = 20

```
5.
6. foo // multiple of 5
7. 11
8. 12
9. 13
10. bar // multiple 7
11. baz // multiple of 3 and 5
12. 16
13. 17
14. 18
15. 19
16. foo // multiple of 5
```

5. Write a function to generate an array with numbers in the given range n & m and return the sum of all the elements. e.g. n = 1 m = 10. It should return the sum of the generated array item.

```
array = [1,2,3,4,5,6,7,8,9,10] // generated array would be
```

```
sum = 55 // sum of all the items in the generated array
```

6. Write a function that returns the list of prime numbers between 2 and 100.

```
2, 3, 5, 7, 11, 13, … , 97
```

7. Write a function to reverse a string’s each word. E.g.

```
inputString = 'Lorem ipsum delore is a dummy text'

reverseWordString = 'meroL muspi eroled si a ymmud txet'
```

8. Write a function to generate the below pattern.

```
 *

***

*****

*******

*****

***

 *
```

9. Write a function to convert a string into a sentence case. e.g. first letter of first word of each sentence should be capital rest everything should be in small cases. Assume the string will contain dot(.) only to separate the two sentences.

```
inputString = `lorem ispUM deLORE is a dummy text. it has been

in the dummy industry for a long time.`

resultString = `Lorem ipsum delore is a dummy text. It has been

in the dummy industry for a long time.`
```

10. Create a counter with increment, decrement, getCount and resetCount functionalities using a closure.

11. Write a function to generate fibonacci series till a given number. e.g. give number is 20

```
0

1

1

2

3

5

8
```

```
13 // next fibonacci number would be 21 which is greater than 20
```

12. Write a function that accepts an array as parameter and returns the sort array in ascending order.

E.g. sortArrayInAscending([20, 2, 4, 5, 10, 1, 11]) should return [1, 2, 3, 5, 10, 11, 20]

13. Write a function that accepts two parameters: a string and a keyword. It searches for the keyword in the string. If the keyword is present then it should return true else false.

14. Write a function that creates number adding functions using closure. e.g.

```
const add10 = createFunction(10);
add10(30) // outputs 40
```

15. Write a function that accepts an array of numbers. The function should perform the following tasks: a) Calculate cube of each number b) Add all the odd numbers from the resulting cube's array. c) return the total from step b)

16. Write a function that accepts an array of numbers and return the maximum and minimum numbers out of that array as an object i.e. { min: 10, max: 99 }