STATEMENT ASSIGNMENT

TO create an array from range let say 1 to 10 [1,2,3,4,5,6,7,8,9]. we can make our own range function. So that there is no need to create array manually like this:

(AS of now please ignore what is it and how it is working later on you will know this.)

```
const range = (start, end) => {
    const length = end - start;
    return Array.from({ length }, (_, i) => start + i);
}
```

How to use it? let say you want an array of number 0-11 then write range(0,12);

Q.1 - Let a = [1,2,3,4,5] use a for loop and print all odd and even numbers separately

Q.2 - Let a = [1,2,3,4,5,6] then get a list b. which contains all even number from list a. example, List b should look like this. b = [2,4,6]

Q.3 - take an array from range(1,50) and print 'haha' for numbers which are multiple of 3. print 'hehe' for numbers which are multiple of 5. print 'heha' for numbers which are multiple of both 3 and 5. print numbers which are neither multiple of 5 nor multiple of 3.

Q.4 - for a range (0,50). if a number is less than 10 do nothing. if greater than 10 print number. but if number equal to 30 exit the loop.

Q.5 - for number starting from 0-10 (include 10 also). print average of these numbers. Do it using for loop and while loop both.

Q.6 - Take range (0,20) and create an array of square of all odd numbers

Q.7 - Take value of length and breadth and then check whether it is square or rectangle. also print it.

Q.8 Let say a school has following grade system.

a.Below 25 - F

b. 25 to 45 - E

c. 45 to 50 - D

d. 50 to 60 - C

e. 60 to 80 - B

f. Above 80 - A

Now enter student marks and print his grade accordingly.

Q.9 - Student won't be allowed to sit in exam if his/her attendance is less than 75%.

give no of class he has attended then print if he is eligible to sit in exam or not.

Total number of classes are 50

If student enter attended class more than 50 then print you are lying.