WEEK 3 - ASSIGNMENT 3
BASIC LIST ITERATION

NOTE:

- **No need to submit anywhere, just keep track of all the PDF you made in a specific folder.**
- **Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.**
- **You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.**

Q1. Create a function **countOddEven** that accepts an List of Integers and print how many even and odd numbers are there.

```
my_list = [34, 11, 91, 59, 33, 22]

countOddEven(my_list)

# Output
Total even numbers = 2
Total odd numbers = 4
```

Q2. Create a function **sumCountOddEven** that accepts an List of Integers and print how many even and odd numbers are there.

```
my_list = [34, 11, 91, 59, 33, 22]

sumCountOddEven(my_list)

# Output
Sum of even numbers = 56
Total odd numbers = 112
```

Q3. Create a function **findLargest** that accepts an List of Integers and returns the largest number from the list.

```
my_list = [34, 11, 91, 59, 33, 22]

x = findLargest(my_list)
print(x)

# Output
91
```

Q4. Create a function **findSmallest** that accepts an List of Integers and returns the smallest number from the list.

```
my_list = [34, 11, 91, 59, 33, 22]

x = findSmallest(my_list)
print(x)

# Output
11
```

Q5. Create a function **updateOddEven** that accepts an List of Integers and update all the even numbers to **0** and update all the odd numbers to **1.**

```
my_list = [34, 11, 91, 59, 33, 22]

updateOddEven(my_list)
print(my_list)

# Output
[0, 1, 1, 1, 1, 0]
```

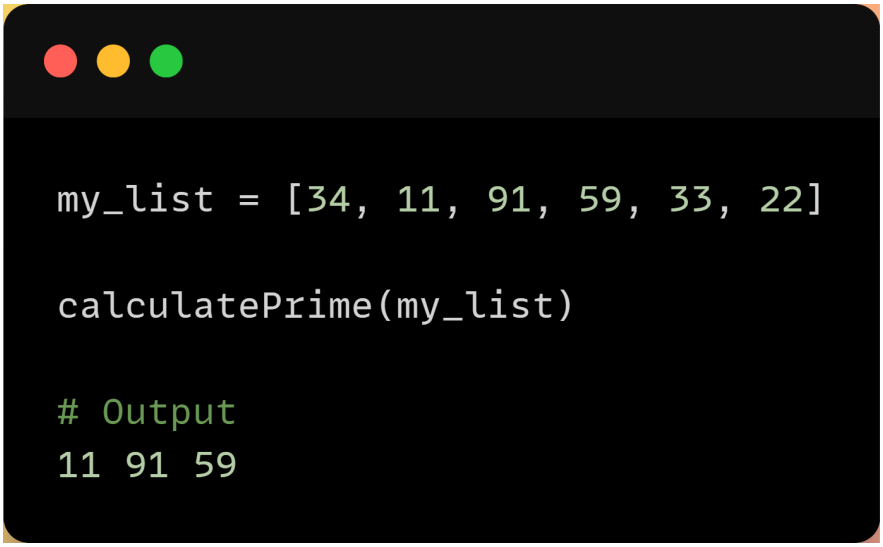
Q6. Create a function **updateOddEven** that accepts an List of Integers and update all the even numbers to increment by **1** and update all the odd numbers to decrement by **1.**

```
my_list = [34, 11, 91, 59, 33, 22]

updateOddEven(my_list)
print(my_list)

# Output
[35, 10, 90, 58, 32, 23]
```

Q7. Create a function **calculatePrime** that accepts an List of Integers and print all the prime numbers in that list.



```
my_list = [34, 11, 91, 59, 33, 22]

calculatePrime(my_list)

# Output
11 91 59
```