WEEK 2 - ASSIGNMENT 2 FUNCTION RETURNS

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 that takes three numbers as parameters and returns the largest among them. Also if no arguments are passed, make sure the parameters take default value as **None** and return answer as **-1**.

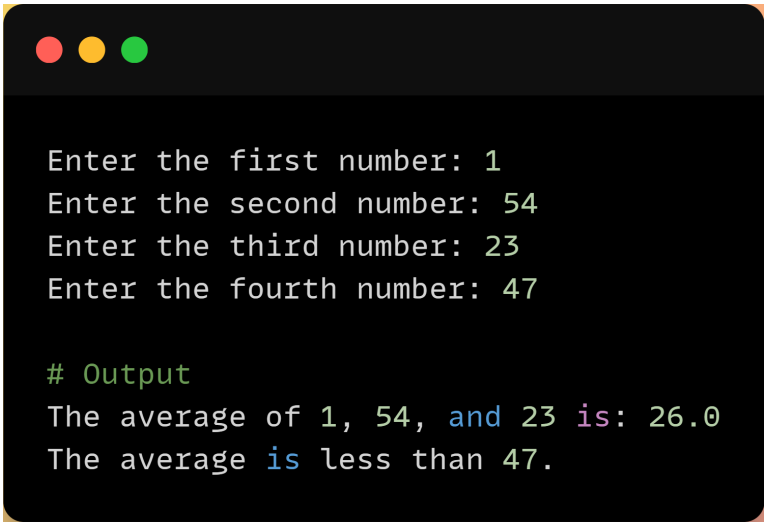
```
# Make a function largest as per the
# question requirement

print(largest(3, 4, 1))  # Output 4
print(largest())  # Output -1
```

Q2. Implement a function that takes two parameters, **base** and **exponent**, and **returns** the result of raising the base to the power of the exponent.

Q3. Ask 3 numbers from user. Make a function which returns the **middle** of those 3 numbers. Then make a function to check if that **middle number** is divisible by both 3 and 4. Make 2 functions for reusability**.**

Q4. Write a Python program that takes four numbers from the user. Implement a function to find the average of the first three numbers. Then, create another function to check if the average is greater than or equal to the fourth number. Make sure to use these two functions to determine and

print whether the average is greater than or equal to the fourth number or not.



```
Enter the first number: 1
Enter the second number: 54
Enter the third number: 23
Enter the fourth number: 47

# Output
The average of 1, 54, and 23 is: 26.0
The average is less than 47.
```