

# WEEK 2 TEST

## 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.

**Make sure to put a timer of 1 hour.**

**Q1.** Keep on asking integer numbers from the user until the user presses **zero**. Print the total sum of all the numbers entered by the user.

Enter a number = 5  
Enter a number = 9  
Enter a number = 1  
Enter a number = 10  
Enter a number = -10  
Enter a number = 100  
Enter a number = 0

## Output:

115

**Q2.** Keep on asking integer numbers from the user until the user presses **zero**. Print the average of all the numbers entered by the user.

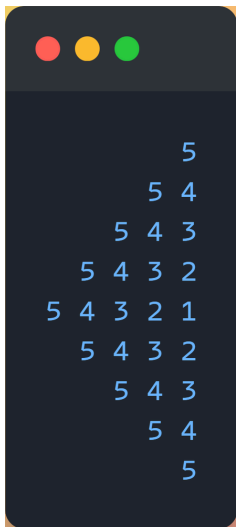
Enter a number = 5  
Enter a number = 9  
Enter a number = 1  
Enter a number = 10  
Enter a number = -10  
Enter a number = 100  
Enter a number = 0

## Output:

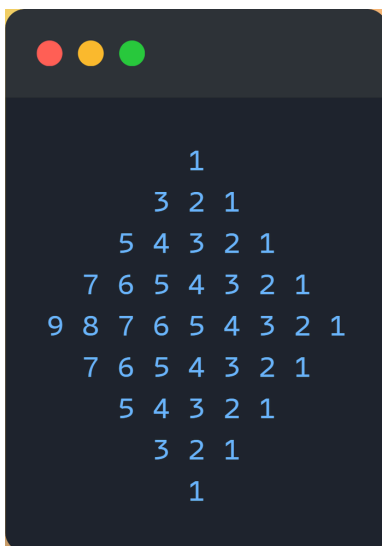
19.16667

Try this same example, there is a possibility you may have written wrong code.

**Q3.** Print the following pattern, and then try to convert it in terms of **n**.



**Q4.** Print the following pattern, and then try to convert it in terms of **n**.



**Q5.** Ask a **start** and **end** number from user. Print all the prime numbers between that range. (**Nested For loop will be used**)

#### Example

Enter start number = 24

Enter end number = 89

#### Output

29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89

**Q6.** Print the following pattern, and then try to convert it in terms of **n**.

