Basic Practice Question

- WAP to accept two numbers from the user and display their sum

- WAP to accept radius of a Circle from the user and calculate area and circumference

- WAP to accept roll number , grade and percentage as input from the user and display it back

- Write a program that asks the user to enter his/her name and age. Print out a message , displaying the user's name along with the year in which they will turn 100 years old.
- Write a program that asks the user to input 2 integers and adds them . Accept both the numbers in a single line only

- Write a Python program which accepts the user's first and last name and print them in reverse order with a space between them.

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Question on loops and conidtionals

- **WAP to accept an integer from the user and check whether it is an even or odd**
- **WAP to accept a character from the user and check whether it is a capital letter or small letter. Assume user will input only alphabets**

- **WAP to accept a character from the user and check whether it is a capital letter or small letter or a digit or some special symbol**

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- **WAP to accept a year from the user and check whether it is a leap year or not.**
  - **An year is a leap year if:**
  - **It is exactly divisible by 4 and at the same time not**
  - **divisible by 100**
  - **OR**
  - **It is divisible by 400**
  - **For example:**
  - **2017 is not a leap year**
  - **2012 is a leap year**
  - **1900 is a not leap year**
  - **2000 is a leap year**

- **You have to develop a number guessing game. Following are the steps needed:**
- **At first , the program will generate a random integer secretly between 1 to 50.**

- **Now it will ask the user to guess that number .**

- **If the user guessed it correctly then the program prints "Congratulations! You guessed it right" .**

- **But if the number guessed by the user is larger than the secret number then program should print "Number too large" and , if the number guessed by the user is smaller than the secret number then the program should print "Number too small"**

- **This should continue until the user guesses the number correctly or quits .**

- **If the user wants to quit in between he will have to type 0 or negative number**

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- Write a program to continuously accept integers from the user until the user types 0 and as soon as 0 is entered display sum of all the nos entered before 0
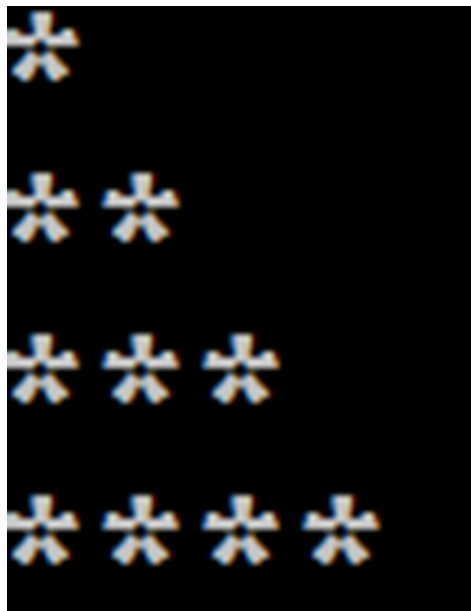
  Note: Modify the previous code so that if the user inputs a negative integer , your program should ignore it .

- Write a program using a for loop to accept a string from the user and display it vertically but don't display the vowels in it.

- Write a program to accept an integer from the user and display the sum of all the numbers from 1 to that number.
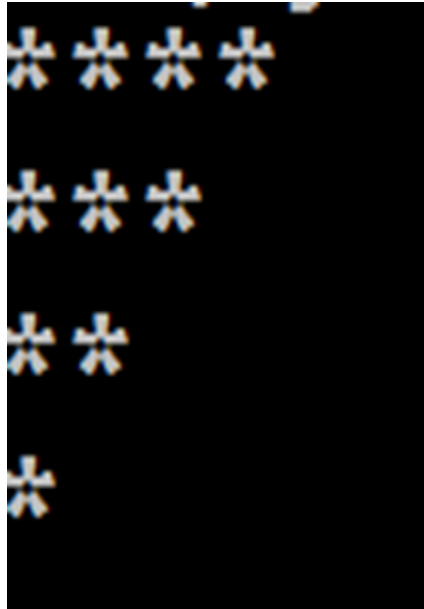
- Write a program to accept an integer from the user and calculate its factorial
- Write a program to print the following pattern

- Write a program to print the following pattern

- Write a program to print the following pattern

- Write a program to accept an integer from the user and display all the numbers from 1 to that number. Repeat the process until the user enters 0.

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  1 2 1

  1 2 3 2 1

  1 2 3 4 3 2 1

  1 2 3 4 5 4 3 2 1