**BASIC PROGRAMS PYTHON SET – 1**

*Programs on input output statements ,Conditional Statements , Loops*

## Write a Python Program to Find and Print ASCII Value of a Character

## Write a Python Program to Swap Two Variables

## Write a Python Program to generate a random number

## Write a Python Program to print the given number even or not

## Write a Python program to find the largest number among the three input numbers

## Write a Program to Prompt for a Score between 0.0 and 1.0. If the Score Is Out of Range Print an Error. If the Score Is between 0.0 and 1.0, Print a Grade Using the Following Table.

## Score >=0.9 >=0.8 >=0.7 >=0.6 <0.6

## Grade A B C D F

## Write a Python Program to Check If a Given Year Is a Leap Year using nested if

## Write a Python Program to Convert Fahrenheit to Celsius and Celsius to Fahrenheit

1. Write a program that asks the user for a weight in kilograms and converts it to pounds. There are 2.2 pounds in a kilogram.
2. Write a program that asks the user to enter three numbers (use three separate input statements) Create variables called total and average that hold the sum and average of the three numbers and print out the values of total and average.
3. Write a python program to demonstrate wile loop for computing the sum of numbers entered by the user. Terminates when user enters special character ‘space’.
4. Write a program that uses a for loop to print the numbers 8, 11, 14, 17, 20, . . . , 83, 86, 89.
5. Write a Python Program to Display the multiplication Table of given number
6. Write a program that asks the user for their name and how many times to print it. The program should print out the user’s name the specified number of times.
7. Use a for loop to print a triangle like the one below. Allow the user to specify how high the triangle should be.

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1. Write a Python program Generate a random number between 1 and 10. Ask the user to guess the number and print a message based on whether they get it right or not.
2. Write a program that asks the user to enter a word and prints out whether that word contains any vowels.
3. Write a program to input length of three sides of a triangle. Then check if these sides will form a triangle or not.
4. Write a program that asks the user for two numbers and prints Close if the numbers are within .001 of each other and not close otherwise.
5. Write a Python program to check the character vowel or consonant.
6. Write a Python program to check prime number using for loop
7. Write a Python program for Fibonacci Sequence
8. Write a Python program to check palindrome or not
9. Write a Python program to Count the Total Digits in a Number using while Loop

## Write a Python program to Add Digits of a Number using while Loop

## Write a Python Program to Find Sum of n Numbers using while and for loops

## Write a program that asks the user to enter two strings of the same length. The program should then check to see if the strings are of the same length. If they are not, the program should print an appropriate message and exit. If they are of the same length, the program should alternate the characters of the two strings. For example, if the user enters abcde and ABCDE the program should print out AaBbCcDdEe.

## Write a program that asks the user for a large integer and inserts commas into it according to the standard American convention for commas in large numbers. For instance, if the user enters 1000000, the output should be 1,000,000.