

Python-Basics:

- 1.find the area/perimeter of circle/traingle/rectangle/square
- 2.find the distance between 2 points
- 3.find the Simple Interest.

Conditional Statements:

- 1.find the greatest b/w two nos / three nos
- 2.check whether the number is even or odd
- 3.for given sides check whether the triangle is equilateral/isoceles/scalene
- 4.for a given equation ax^2+bx+c ,
Find the roots of equation

Loops

- 1.print the table of 2 with this format
2X1=2
2X2=4...
- 2.find the sum of digits of number
- 3.print first 10 numbers of fibonacci series
0 1 1 2 3 5 8 13.....
- 4.check whether a number is prime or not
- 5.find the reverse of number

#PATTERN

```
*
* *
* * *
* * * *
* * * * *
```

```
1
01
010
1010
10101
```

```
1
12
123
1234
12345
```

```
1
22
333
```

4444

55555

#String

- >Find no of vowels,consonants&digits in a String
- >remove a word from string
- >write two ways to reverse a string
- >find the occurrence of each character in a String
- >remove duplicates from String

#LIST

- >write a program for List comprehension.
- >write a program to find max , min, sum of a List
- >write a program to sort the list in descending order
- >write a program for linear search
- >write a program to find sum of even and odd elements in a list

#DICTIONARY

- >Create a dictionary which consists of id, name, marks for the student.
Write a program to print id, name, marks along with grade.