**BASIC PROGRAMMING ASSIGNMENT\_1-SUBMITTED BY SAMUEL DEVDAS**

1. Write a Python program to print "Hello Python"?

Ans. h="Hello Python"

print(h)

Output: Hello Python

1. Write a Python program to do arithmetical operations addition and division.?

Ans. #addition and division

a=int(input('enter an integer a, for adding a and b ='))

b=int(input('enter an integer b, for adding a and b ='))

n=int(input('enter an numerator n for dividing n by d='))

d=int(input('enter an denominator d for dividing n by d='))

add=a+b

div=n/d

ans='sum of a and b is equal to {} and n divided by d is equal to {}'

print(ans.format(add,div))

3.Write a Python program to find the area of a triangle?

Ans. #Area of a triangle

base=int(input('enter an integer for base,b ='))

height=int(input('enter an integer for height,h='))

area\_triangle=(base\*height)/2

ans='Area of triangle with base=b and height=h is {}'

print(ans.format(area\_triangle))

4. Write a Python program to swap two variables?

Ans. #Swap two variables

a=input('enter an alphanumeric value, a=')

b=input('enter an an alphanumeric value, b =')

c=a

d=b

a=d

b=c

print('the value of a is=',a)

print('the value of b is=',b)

5. Write a Python program to generate a random number?

Ans.

from random import seed

from random import random

seed()

print(random())