

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

```
In [1]: # printing hello python
print('Hello Python')
```

Hello Python

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

```
In [4]: a = 10
b = 2

# addition operation
sum = a + b

# division operation
div = a / b

print('The addition of {0} and {1} : {2}'.format(a,b,sum))
print('The division of {0} and {1} : {2}'.format(a,b,div))
```

The addition of 10 and 2 : 12

The division of 10 and 2 : 5.0

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

```
In [8]: # taking base and height as input from user
tri_base = int(input('Enter the base of triangle : '))
tri_height = int(input('Enter the height of triangle : '))

# calculating area of triangle
area_tri = 0.5 * (tri_base * tri_height)

# displaying result
print('The area of triangle is ', area_tri)
```

Enter the base of triangle : 5

Enter the height of triangle : 10

The area of triangle is 25.0

4. Write a Python program to swap two variables?

```
In [14]: # taking input form user
a = int(input('Enter the number : '))
b = int(input('Enter the number : '))

print('the value of a and b before swap is : ')
print(a)
print(b)

c = a
a = b
b = c
```

```
print('the value of a and b after swap is : ')\nprint(a)\nprint(b)
```

```
Enter the number : 45\nEnter the number : 62\nthe value of a and b before swap is : \n45\n62\nthe value of a and b after swap is : \n62\n45
```

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

In [20]:

```
# importing random library\nimport random as rn\n\n# printing random number between 0 to 9\nprint(rn.randint(0,9))
```

9

In []: