Python_programming_basic_1

May 12, 2023

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

```
[1]: print('Hello Python')
```

```
Hello Python
```

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

```
[9]: # Input numbers:
num1 = 15
num2 = 25

# Add two numbers
sum = float(num1) + float(num2)

#Divide two numbers
div = float(num1) / float(num2)
# Display the sum
print('The sum of {0} and {1} is {2}'.format(num1, num2, sum))
 #Display the division
print('The division of {0} and {1} is {2}'.format(num1, num2, div))
```

```
The sum of 15 and 25 is 40.0
The division of 15 and 25 is 0.6
```

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

```
[1]: height = int(input('Enter height of triangle: '))
base = int(input('Enter base of triangle: '))

def areaOfTriangle(height, base):
    print('\nArea of triangle ->', 0.5*height*base)

areaOfTriangle(height,base)
```

```
Enter height of triangle: 5
Enter base of triangle: 8

Area of triangle -> 20.0
```

4.Write a Python program to swap two variables ?

```
[2]: num_1 = int(input("Enter First Number: "))
     num_2 = int(input("Enter Second Number: "))

     def swapNumbers(a,b):
         temp = a
         a = b
         b = temp
         return a,b

     print('Before swapping -> ',num_1, num_2)
     num_1, num_2 = swapNumbers(num_1, num_2)
     print('After swapping -> ',num_1,num_2)
```

```
Enter First Number: 8
Enter Second Number: 5
Before swapping ->  8 5
After swapping ->  5 8
```

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

```
[3]: from random import randint

     def generateRandomNumber(start=0, end=100000):
         print('Random number -> ',randint(start,end))

     # Generating random numbers without arguments
     generateRandomNumber()

     # Generating random numbers with arguments
     generateRandomNumber(0,100)
```

```
Random number ->  53695
Random number ->  61
```

```
[ ]:
```