

# Programming Assignment\_1

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

```
In [1]: print("Hello Python")
```

Hello Python

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

```
In [18]: a=int(input("Enter the 1st value"))
b=int(input("Enter the 2nd value"))
print("The Sum is:",a+b)
print("The Difference is:",a-b)
```

Enter the 1st value4  
Enter the 2nd value4  
The Sum is: 8  
The Difference is: 0

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

```
In [21]: h=int(input("Enter the height of the triangle: "))
b=int(input("Enter the base length of the triangle:"))
print("The area of the triangle is:",0.5*h*b)
```

Enter the height of the triangle: 3  
Enter the base length of the triangle:3  
The area of the triangle is: 4.5

## 4. Write a Python program to swap two variables?

```
In [28]: x=int(input("Enter the X value"))
y=int(input("Enter the Y value"))
temp=x
x=y
y=temp

print("The value of x after swapping is: ",x)
print("The value of y after swapping is: ",y)
```

Enter the X value45  
Enter the Y value67  
The value of x after swapping is: 67  
The value of y after swapping is: 45

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

```
In [40]: import numpy as np
number=int(input("Enter a random number: "))
print("The random number is:",np.random.randint(0,number))
```

Enter a random number: 100  
The random number is: 93