

## 1 . Average of 3 numbers

```

num1=int(input("Enter a number : "))
num2=int(input("Enter a number : "))
num3=int(input("Enter a number : "))
sum=num1+num2+num3
average=sum/3
print("Average = ",+average)

```

```

Enter a number : 12
Enter a number : 3
Enter a number : 4
Average = 6.333333333333333

```

## 2 . Sum and average of 3 numbers

```

num1=int(input("Enter a number : "))
num2=int(input("Enter a number : "))
num3=int(input("Enter a number : "))
sum=num1+num2+num3
average=sum/3
print("Sum = ",+sum)
print("Average = ",+average)

```

```

☞ Enter a number : 12
Enter a number : 35
Enter a number : 66
Sum = 113
Average = 37.666666666666664

```

## 3 . Time

```

sec=int(input("Enter seconds : "))
min=sec/60
hours=min/60
print("Seconds in minutes : ",+min)
print("Seconds in hours : ",+hours)

```

```

Enter seconds : 60
Seconds in minutes : 1.0
Seconds in hours : 0.016666666666666666

```

## 4 . Area and Perimeter of a triangle

```

A=float(input("Enter length of first side : "))
B=float(input("Enter length of second side : "))
C=float(input("Enter length of third side : "))
perimeter=A+B+C

```

```
s=perimeter/2
Area=(s*(s-A)*(s-B)*(s-C))**0.5
print("Perimeter = ",+perimeter)
print("Area = ",+Area)
```

```
Enter length of first side : 3
Enter length of second side : 3
Enter length of third side : 3
Perimeter = 9.0
Area = 3.897114317029974
```

## 5 . Area of Circle

```
import math
radius=float(input("Enter radius : "))
area=math.pi*(radius**2)
print("Area of the circle = ",+area)
```

```
Enter radius : 5
Area of the circle = 78.53981633974483
```

## Swapping without temporary variable

```
a=int(input("Enter number A : "))
b=int(input("Enter number B : "))
a=a+b
b=a-b
a=a-b
print("Number A = ",+a)
print("Number B = ",+b)
```

```
Enter number A : 10
Enter number B : 12
Number A = 12
Number B = 10
```

## Sum,Difference,Product,Quotient

```
a=int(input("Enter first number = "))
b=int(input("Enter second number = "))
sum= a+b
print("Sum = ",+sum)
diff = a-b
print("Difference = ",+diff)
pro= a*b
print("Product = ",+pro)
quo=a//b
print("Quotient = ",+quo)
rem=a%b
```

```
print("Reminder = ",+rem)
```

```
Enter first number = 12
Enter second number = 10
Sum = 22
Difference = 2
Product = 120
Quotient = 1
Reminder = 2
```

### ***Days calculator***

```
days=int(input("Enter number of days = "))
months=days/30
years=days/365
print("Number of months = ",+months)
print("Number of years = ",+years)
```

```
Enter number of days = 31
Number of months = 1.0333333333333334
Number of years = 0.08493150684931507
```

