

# **Python Assignment Day - 2**

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```
1 a=6
2 b=4
3 sum=a+b
4 print("the sum is",sum)
5 sub=a-b
6 print("the difference is",sub)
7 mul=a*b
8 print("the product is",mul)
9 div=a/b
10 print("the quotient is",div)
11 mod=a%b
12 print("the remainder is",mod)
13 exp=a**b
14 print("the exponent is",exp)
15 fd=a//b
16 print("the floor division is",fd)
```

Program to design  
calculator for the operator



the sum is 10  
the difference is 2  
the product is 24  
the quotient is 1.5  
the remainder is 2  
the exponent is 1296  
the floor division is 1

[Program finished]

```
1 p=50000
2 t=4
3 r=2
4 si=p*t*r
5 print("the simple interest is",si)
```

Program to calculate  
simple interest



the simple interest is 400000

[Program finished]

```
1 pi=3.14
2 r=2
3 area=pi*r*r
4 print("area of a circle is",area)
```

Program to calculate  
area of circle



area of a circle is 12.56

[Program finished]

```
1 b=3
2 h=2
3 area=0.5*b*h
4 print("the area of triangle is",area)
```

Program to calculate  
area of triangle





the area of triangle is 3.0

[Program finished]

```
1 c=float(input("enter the temperature in  
celsius:"))  
2 f=(c*1.8)+32  
3 print("the temperature in fahrenheit is",f)
```

Program to convert temperature  
Celsius to Fahrenheit



```
enter the temperature in celsius:25  
the temperature in fahrenheit is 77.0
```

```
[Program finished]
```

```
1 l=int(input("enter the length:"))  
2 b=int(input("enter the breadth:"))  
3 area=l*b  
4 print("area of rectangle is",area)
```

Program to calculate  
area of rectangle



```
enter the length:3  
enter the breadth:5  
area of rectangle is 15
```

```
[Program finished]
```

```
1 a=int(input("enter the side of the  
square:"))  
2 p=4*a  
3 print("the perimeter of square is",p)
```

Program to calculate  
perimeter of square



enter the side of the square:4  
the perimeter of square is 16

[Program finished]

```
1 | r=4  
2 | c=2*3.14*r  
3 | print("the circumference of the circle is",c)
```

Program to calculate the  
circumference of the circle





the circumference of the circle is 25.12

[Program finished]

```
1 x=(input("enter the first number:"))
2 y=(input("enter the second number:"))
3 temp=x
4 x=y
5 y=temp
6 print("the value of x after swapping is:{}".format(x))
7 print("the value of y after swapping is:{}".format(y))
```

Program to swap two numbers



```
enter the first number:3  
enter the second number:4  
the value of x after swapping is:4  
the value of y after swapping is:3  
[Program finished]
```