

PYTHON LAB 2

Write a program for arithmetic operators

```
a=int(input("Enter the value of a: ")) #---->Taking an input from user
b=int(input("Enter the value of b: ")) #---->Taking an input from user
print ("Addition of two numbers", a+b)
print ("Substraction of two numbers", b-a)
print ("Multiplication of two numbers", a*b)
print ("Division of two numbers", b/a)
print ("Reminder of two numbers", b%a)
c=a**b
print (c)
c=a//b
print (c)
```

```
# <----- Output ----->
```

```
'''
```

```
Enter the value of a: 5
```

```
Enter the value of b: 6
```

```
Addition of two numbers 11
```

```
Substraction of two numbers 1
```

```
Multiplication of two numbers 30
```

```
Division of two numbers 1.2
```

```
Reminder of two numbers 1
```

```
15625
```

```
0
```

```
'''
```

Write a program for assignment operators

```
print("Using Assignment Operators: ")
```

```
a=5
```

```
print (a)
```

```
a+=5
```

```
print(a)
```

```
a-=3
```

```
print(a)
```

```
a*=3
```

```
print(a)
```

```
a/=2
```

```
print(a)
```

```
#<----- Output ----->
```

```
'''
```

```
Using Assignment Operators:
```

```
5
```

```
10
```

```
7
```

```
21
```

```
10.5
```

```
'''
```

Write a program for Bitwise operators

```
x=int(input("Enter the value of a: ")) #---->Taking an input from user
```

```
y=int(input("Enter the value of b: ")) #---->Taking an input from user
```

```
print(x & y)
```

```
print(x | y)
```

```
print(x ^ y)
```

```
print(~x)
```

```
print(~y)
```

```
#<----- Output ----->
```

```
'''
```

```
Enter the value of a: 4
```

```
Enter the value of b: 5
```

```
4
```

```
5
```

```
1
```

```
-5
```

```
-6
```

```
'''
```

Write a program to calculate greatest of three numbers.

```
x=int(input("Enter First Number:")) #---->Taking an input from user
```

```
y=int(input("Enter Second Number:")) #---->Taking an input from user
```

```
z=int(input("Enter Third Number:")) #---->Taking an input from user
```

```
if(x>y):
```

```
    if(x>z):
```

```
        print("x is Greater")
```

```
    else:
```

```
        print("z is Greater")
```

```
else:
```

```
    if(y>z):
```

```
        print("y is Greater")
```

```
    else:
```

```
        print("z is Greater")
```

```
#<----- Output ----->
```

'''

Enter First Number:4

Enter Second Number:5

Enter Third Number:6

z is Greater

'''

''' write a program to find the area of Rectangle '''

```
l=int(input("Enter the length: ")) #---->Taking an input from user to store the length of  
Rectangle
```

```
b=int(input("Enter the breadth: ")) #---->Taking an input from user to store the breadth of  
Rectangle
```

```
AOR=l*b #----> Area Of Rectangle
```

```
print("Area Of Rectangle is", AOR)
```

#-----Output----->

'''

Enter the length: 4

Enter the breadth: 5

Area Of Rectangle is 20

'''

''' write a program to find the area of Circle '''

```
pie=3.14 #--->Taking the value of pie
```

```
r=int(input("Enter the radius: ")) #----> taking an input from user to store the radius of  
circle
```

```
AOC=pie*r*r #--->Area Of Circle
```

```
print("Area Of Circle is ",AOC)
```

#-----Output----->

'''

Enter the radius: 6

Area Of Circle is 113.03999999999999

'''

''' write a program to find the area of Triangle '''

b=int(input("Enter the breadth: ")) #---->Taking an input from user to store the breadth of Triangle

h=int(input("Enter the height: ")) #----->Taking an input from user to store the height of Triangle

AOT=1/2*(b*h) #-----> Area of Triangle

print("Area of Triangle is ",AOT)

#-----Output----->

'''

Enter the breadth: 7

Enter the height: 8

Area of Triangle is 28.0

'''

''' write a program to find the area of Square '''

a=int(input("Enter the value of a : ")) #----->Taking an input from user to store the Value of Square

AOS=a*a #----->Area of Square

print("Area of Square is ",AOS)

#-----Output----->

'''

Enter the value of a : 9

Area of Square is 81

'''