

PRACTICAL NO.3

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In [ ]: # Program using Arithmetic and Logical operation
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In [1]: a=int(input("Enter a : "))
        b=int(input("Enter b : "))

        c=a+b
        d=a-b
        e=a*b
        f=a/b
        g=a%b

        print("Addition of a & b",c)
        print("Substraction of a & b",d)
        print("multiplication of a & b",e)
        print("division of a & b",f)
        print("module of a & b",g)
```

```
Enter a : 20
Enter b : 30
Addition of a & b 50
Substraction of a & b -10
multiplication of a & b 600
division of a & b 0.6666666666666666
module of a & b 20
```

In [8]:

```
# Program usnig bitwise operator

a = 10
b = 4

# Print bitwise AND operation
print("a & b =", a & b)

# Print bitwise OR operation
print("a | b =", a | b)

# Print bitwise NOT operation
print("~a =", ~a)

# print bitwise XOR operation
print("a ^ b =", a ^ b)
```

```
a & b = 0
a | b = 14
~a = -11
a ^ b = 14
```

In [13]:

```
#Program using Logical operation
a=int(input("Enter value for a"))
b=int(input("Enter value for b"))
c=int(input("Enter value for c"))

if (a>b and a>c):
    print (a,"is greater")

elif (b>a and b>c):
    print (b,"is greater")

elif (c>a and c>b):
    print (c,"is greater")

else :
    print ("Enter a valid Input")
```

```
Enter value for a10
Enter value for b20
Enter value for c30
30 is greater
```