```
#x Accept input from user and store it in variable and print the value.
a=100
b=20
c=int(input())
d=int(input())
f=a-(b)-(c)-(d)
print(f)
```

```
20
10
50
```

```
#Use of print statements and use of (.format )for printing different data types.
a="RRR movie has been released"
b="I went to movie with friends"
#print(a+" "+b)
#print("% a % b" %(a,b))
a=123
b="hello {}"
print(b.format(a,b))
```

```
hello 123
```

```
 #Printing all even numbers, odd numbers, count of even numbers, count of odd numbers
#within a given range.
for a in range(101,200,2):
  print(a)
```

```
a=["a","b","c","d"]
del a[1]
del a[2]
print(a)
```

```
['a', 'c']
```

```
#Take 2 numbers as user input and add, multiply, divide, subtract, remainder and print
#the output (Same operations on floating point input as well)
#add
a=100
b=20
c=int(input())
d=int(input())
f=a+(b)+(c)+(d)
print(f)
#sub
```

```
a=100
b=20
c=int(input())
d=int(input())
f=a-(b)-(c)-(d)
print(f)
#multi
a=100
b=20
c=int(input())
d=int(input())
f=a*b*c*d
print(f)
#avg
a=100
b=20
c=int(input())
d=int(input())
f=(a+b+c+d)/4
print(f)
```

```
2
2
124
2
2
76
2
2
8000
2
2
31.0
```

```
#Conversion of one unit to another (such as hours to minutes, miles to km and etc)
#hours in min
a=int(input("enter hours : "))
c=a*60
print(c,"min")
#mile in km
a=int(input("enter mile : "))
c=a*1.60934
print(c,"km")
```

```
enter hours : 1
60 min
```

```
enter mile : 2
```

```
#Usage of mathematical functions in python like math.ceil, floor, fabs, fmod, etc.
import math
print(math.ceil(1.2))
print(math.floor(1.2))
print(math.fabs(1.2))
print(math.fmod(100,101))
```

```
2
1
1.2
1.0
2
1
1.2
1.0
```

```
#Building a mathematical calculator that can perform operations according to user input.
#Use decision making statement.
a=(input("enter : "))
b=a.split()
if b[1]=="+":
  print(int(b[0])+int(b[2]))
elif b[1]=="-":
  print(int(b[0])-int(b[2]))
elif b[1]=="*":
  print(int(b[0])*int(b[2]))
elif b[1]=="/":
  print(int(b[0])/int(b[2]))
elif b[1]=="%":
  print(int(b[0])%int(b[2]))
```

```
enter : 2 + 2
4
```

```
#Accepting 5 different subject marks from user and displaying the grade of the student.
x=input("enter student name: ")
a=int(input("math marks: "))
b=int(input("english marks: "))
c=int(input("sanskrit marks: "))
d=int(input("computer marks: "))
f=int(input("social marks: "))
if (a+b+c+d+f) >= 450:
  print(x,"got : A grade ")
elif (a+b+c+d+f) >= 400 and (a+b+c+d+f) <= 450:
```

```
    print(x,"got : B grade")
  else:
    print(x,"got : C grade")
```

```
enter student name: P.SURAJ
math marks: 100
english marks: 100
sanskrit marks: 98
computer marks: 95
social marks: 100
P.SURAJ got : A grade
```

✓ 8s completed at 12:06 PM