

```
In [3]: #Labsheet :2
        #pgm no : 1

        c=0
        while True:
            n=int(input("Values : "))
            if n>=0:
                c+=n
            else:
                break
        print("sum :",c)
```

```
Values : 2
Values : 1
Values : 4
Values : 6
Values : -10
sum : 13
```

```
In [1]: #Labsheet :2
        #pgm no :2

        while True:
            m=int(input("Value of M : "))
            n=int(input("Value of N : "))
            s=0
            if m>n:
                print("Value of 'M' should be less then 'N'")
            for i in range(m,n-1):
                if (i%2==0):
                    s=s+i
            print("Sum of Even num : ",s)
            q=input("Do you want to quit (Type q)? : ")
            if q=="q":
                break
```

```
Value of M : 1
Value of N : 10
Sum of Even num : 20
Do you want to quit (Type q)? : no
Value of M : 2
Value of N : 10
Sum of Even num : 20
Do you want to quit (Type q)? : no
Value of M : 10
Value of N : 1
Value of 'M' should be less then 'N'
Sum of Even num : 0
Do you want to quit (Type q)? : q
```

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In [ ]:
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In [6]: #Labsheet :2
        #pgm no : 3

        n=int(input('Values : '))
        m=int(input('Range ot Multiplication : '))
        s=0
        for i in range(m):
            s=n*i
            print(n,'x',i,'=',s)
```

```
Values : 4
Range ot Multiplication : 10
4 x 0 = 0
4 x 1 = 4
4 x 2 = 8
4 x 3 = 12
4 x 4 = 16
4 x 5 = 20
4 x 6 = 24
4 x 7 = 28
4 x 8 = 32
4 x 9 = 36
```

```
In [1]: #Labsheet :2
#pgm no : 4
#case 1:
n=int(input('Values :'))
x = n//100
x1 = (n - x*100)//10
x2 = (n - x*100 - x1*10)
print("The sum of digits in the number is : ", x+x1+x2)
```

Values :125
The sum of digits in the number is : 8

```
In [2]: #Labsheet :2
#pgm no : 4
#case 2:
n=int(input('Values :'))
x = n//100
x1 = (n - x*100)//10
x2 = (n - x*100 - x1*10)
print("The sum of digits in the number is : ", x+x1+x2)
```

Values :12
The sum of digits in the number is : 3

```
In [3]: #Labsheet :2
#pgm no : 4
#case 3:
n=int(input('Values :'))
x = n//100
x1 = (n - x*100)//10
x2 = (n - x*100 - x1*10)
print("The sum of digits in the number is : ", x+x1+x2)
```

Values :2
The sum of digits in the number is : 2

```
In [4]: #Labsheet :2
#pgm no : 4
#case 4:
n=int(input('Values :'))
x = n//100
x1 = (n - x*100)//10
x2 = (n - x*100 - x1*10)
print("The sum of digits in the number is : ", x+x1+x2)
```

Values :-15
The sum of digits in the number is : 12

```
In [1]: #Labsheet :2
        #pgm no :5

        t=0
        c=0
        a=0
        while True:
            try:
                n=input("Enter a Value : ")
                if (n=="done"):
                    break
                v=float(n)
                total=v+t
                c+= 1
                avg=t/c
            except:
                print("Invalid input.")
        print("Total : ",t)
        print("Total Count : ",c)
        print("Average : ",avg)
```

```
Enter a Value : 1
Enter a Value : 4
Enter a Value : 32
Enter a Value : 1
Enter a Value : 23
Enter a Value : q
Invalid input.
Enter a Value : @
Invalid input.
Enter a Value : 1r
Invalid input.
Enter a Value : 11
Enter a Value : 4
Enter a Value : done
Total : 0
Total Count : 7
Average : 0.0
```

```
In [ ]:
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