In [ ]:
```
#sum of 2 numbers
a=int(input("Enter first number: "))
b=int(input("Enter second number: "))
print("sum is : " ,a+b)
```

```
Enter first number: 35
Enter second number: 45
sum is :  80
```

In [ ]:
```
#reverse of a number
num=int(input("Enter the number:" ))
s=0
while num != 0:
 r=num % 10
 s=s * 10 + r
 num= num//10
print("Reversed number is: ",s)
```

```
Enter the number:13579
Reversed number is:  97531
```

In [ ]:
```
#positve or negative number
num=int(input("Enter the number: "))
if(num>0):
  print(num," is positive")
else:
  print(num, "is negative")
```

```
Enter the number: 1
1  is positive
```

In [ ]:
```
#count the digits
num=int(input("Enter the number: "))
t=num
count=0
while num>0:
  count=count+1
  num=num//10
print("Number of digits in ",t,"are: ",count)
```

```
Enter the number: 12345
Number of digits in  12345 are:  5
```

In [ ]:
```
#palindrome
num=int(input("Enter the number:" ))
t=num
s=0
while num != 0:
 r=num % 10
 s=s * 10 + r
 num= num//10
if(t==s):
 print(t," is palindrome.")
else:
  print(t,"is not palindrome.")
```

```
Enter the number:12321
12321  is palindrome.
```

In [ ]:
```
#area and perimeter of circle
pi=3.14
r=int(input("Enter the radius of the circle: "))
print("Area is :",pi*r*r)
print("perimeter is:",2*pi*r)
```

```
Enter the radius of the circle: 2
Area is : 12.56
perimeter is: 12.56
```

In [ ]:
```
#biggest of 3 numbers
a=int(input("Enter the first number : "))
b=int(input("Enter the second number : "))
c=int(input("Enter the third number : "))
if(a>b and a>c):
  print(a," is greater.")
```

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

```
Enter the first number : 12
Enter the second number : 43
Enter the third number : 67
67  is greater.
```

In [ ]:

```
#List and tuple
values = input("Enter comma seprated numbers : ")
list = values.split(",")
print('List : ',list)
tuple1 = tuple(list)
print('Tuple : ',tuple1)
```

```
Enter comma seprated numbers : 1,2,3,4,5
List :  ['1', '2', '3', '4', '5']
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
<ipython-input-47-2e818904b49a> in <module>()
      3 list = values.split(",")
      4 print('List : ',list)
----> 5 tuple1 = tuple(list)
      6 print('Tuple : ',tuple1)

TypeError: 'tuple' object is not callable
```

In [ ]:

```
#first and last element of a list
list=[1,2,3,4,5]
print("The list is:",list)
print("The first element is: ",list[0]," and last element is:",list[-1])
```

```
The list is: [1, 2, 3, 4, 5]
The first element is:  1  and last element is: 5
```

In [ ]:

```
#dictionary
dict={1:'one',2:'two',3:'three',4:'four',5:'five'}
print(dict)
```

```
{1: 'one', 2: 'two', 3: 'three', 4: 'four', 5: 'five'}
```

In [ ]:

```
#merge two dictionary
dict1={1:'Apple',2:'Mango'}
dict2={3:'Banana',4:'pear'}
print("First dictionary",dict1)
dict1.update(dict2)
print("Second dictionary",dict2)
print("dictionary after merging:",dict1)
```

```
First dictionary {1: 'Apple', 2: 'Mango'}
Second dictionary {3: 'Banana', 4: 'pear'}
dictionary after merging: {1: 'Apple', 2: 'Mango', 3: 'Banana', 4: 'pear'}
```