

input() function

- user input function in python || command line input

```
In [1]: x = input()  
x
```

```
Out[1]: '5'
```

```
In [2]: x = input()  
y = input()  
  
z = x + y  
  
print(z)
```

```
56
```

```
In [3]: print(type(x))  
print(type(y))
```

```
<class 'str'>  
<class 'str'>
```

```
In [12]: x1 = input('Enter the 1st number') #whenever you works in input function it always  
y1 = input('Enter the 2nd number') # it wont understand as arithmetic operator  
z1 = x1 + y1  
print(z1)
```

```
58
```

```
In [13]: type(x1)  
type(y1)
```

```
Out[13]: str
```

```
In [15]: x1 = input('Enter the 1st number')  
a1 = int(x1)  
y1 = input('enter the 2nd number')  
b1 = int(y1)  
z1 = a1 + b1  
print(z1)  
      # This is Long code
```

```
13
```

```
In [17]: x2 = int(input('Enter the 1st number'))  
y2 = int(input('Enter the 2nd number'))  
z2 = x2 + y2  
z2  
      # this is short code
```

Out[17]: 13

```
In [3]: x2 = input('user name : ')
        y2 = input('password :')

        z2 = x2 + y2
        print(z2)
```

aatif123456

In [18]: *# Lets take input from the user in char format, but we dont have char format in pyt*

```
In [19]: ch = input('enter a char')
        print(ch)
```

Aatif

```
In [20]: print(ch[0])
```

A

```
In [21]: print(ch[-1])
```

f

```
In [22]: print(ch[1:3])
```

at

```
In [ ]:
```

```
In [4]: st = input('enter a string')[1]
        print(st)
```

e

```
In [5]: st = input('enter a string')[5:8]
        print(st)
```

hit

```
In [6]: result= int(input('enter an expr'))
        print(result)
```

```
-----
ValueError                                Traceback (most recent call last)
Cell In[6], line 1
----> 1 result= int(input('enter an expr'))
      2 print(result)

ValueError: invalid literal for int() with base 10: '5+8-3'
```

eval

```
In [8]: result= eval(input('enter an expr'))
```

```
print(result)
```

10

```
In [23]: result = eval(input('enter an expr'))  
print(result)
```

35

```
In [27]: r = eval(input('enter an expr'))  
print(r)
```

50.0

```
In [ ]:
```

```
In [ ]:
```

```
In [9]: pip install numpy
```

Requirement already satisfied: numpy in c:\users\asus\anaconda3\lib\site-packages (2.1.3)

Note: you may need to restart the kernel to use updated packages.

```
In [10]: import numpy as np
```

```
In [11]: np.__version__
```

```
Out[11]: '2.1.3'
```