Input

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

print (z) #Input function by default reads as a "string".
```

```
23
```

In [3]:
```
x = int(input())
y = int(input())
z = x + y

print (z) #here we are converting/type casting string to integer using int
```

```
5
```

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

print (z) #throws invalid literal error
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
Cell In[2], line 1
----> 1 x = int(input())
      2 y = int(input())
      3 z = x + y

ValueError: invalid literal for int() with base 10: 'Gopal'
```

In [4]:
```
# to enter the input, user needs to what to enter, so we need to mention the dat
a = input("Name: ")
b = input("Age: ")

print(a,b)
```

```
Gopal 30
```

In [6]:
```
a = input("Name: ")
b = input("Age: ")

print("Name:",a, "Age:", b)
```

```
Name: Gowthami Age: 30
```

In [8]:
```
a = input("Name: ")[2] #calling a string by index
print (a)
```

```
p
```

In [9]:
```
a = input("Name: ")[2:] #calling a string by slicing
print (a)
```

```
pal
```

In [10]:
```
a = input("Name: ")[:2]
print (a)
```

```
Go
```

In [11]:
```
a = input("Name: ")[1:4]
print (a)
```

```
opa
```

passing different data type values to input

In [4]:
```
price = float(input('Enter the price:'))
qty = int(input('Enter the Qty:'))
Total = float(price*qty)
print(Total)
```

```
55.0
```

split the sentence and calling a specific word

In [6]:
```
name=input('Enter your name:')
```

In [18]:
```
words = name.split()
print(words)
```

```
['My', 'name', 'is', 'Gopal']
```

In [19]:
```
words[3]
```

Out[19]:
```
'Gopal'
```

check the input value is a positive, negative or nutral

In [21]:
```
x=int(input('Enter the number:'))

if x>0:
    print(x,'is a positive number')
elif x<0:
    print(x,'is a negative number')
elif x==0:
    print(x,'is a nutral number')
```

```
5 is a positive number
```

In [22]:
```
x=int(input('Enter the number:'))

if x>0:
    print(x,'is a positive number')
```

```
elif x<0:
    print(x,'is a negative number')
elif x==0:
    print(x,'is a nutral number')
```

```
0 is a nutral number
```

In [ ]: