Input function

In [4]:
```
x = input()
x
```

Out[4]: 'hello'

In [6]:
```
type(x)
```

Out[6]: str

In [8]:
```
x = input()
y = input()
z = x + y
print(z)  #console is waiting for user to enter the input
```

```
23
```

In [10]:
```
type(z)
```

Out[10]: str

In [14]:
```
x1 = input("Enter 1st number:")
y1 = input("Enter 2nd number:")
z1 = x1 + y1
print(z1)
```

```
23
```

In [16]:
```
print(type(x1))
print(type(y1))
```

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

In [20]:
```
x1 = input('Enter 1st number:')
a1 = int(x1)
y1 = input('Enter 2nd number:')
b1 = int(y1)
z1 = a1 + b1
print(z1)
```

```
5
```

In [22]:
```
#code optimisation
x2 = int(input('Enter the 1st number'))
y2 = int(input('Enter the 2nd number'))
z2 = x2 + y2
z2
```

Out[22]: 5

In [24]:
```
#taking input from user in char format
ch = input("Enter a character:")
print(ch)
```

```
Hello
```

In [26]:
```
type(ch)
```

Out[26]:
```
 str
```

In [28]:
```
print(ch[0])
```

```
H
```

In [30]:
```
print(ch[0:2])
```

```
He
```

In [32]:
```
ch = input('enter a char')[0]
print(ch)
```

```
h
```

In [34]:
```
ch = input('enter a char')[1]
print(ch)
```

```
e
```

In [36]:
```
ch = input('enter a char')[1:3]
print(ch)
```

```
or
```

In [38]:
```
#Enter an expression
result = input('enter an exp')
print(result)
```

```
10+2-3
```

In [40]:
```
#Use eval expression to enter the expression
result = eval(input('enter an exp'))
print(result)
```

```
9
```