

```
In [1]: 1 #Tell the output
        2 x=100
        3 print(x)
```

100

```
In [2]: 1 #Tell the output
        2 x=100
        3 print(x)
        4 x=150
        5 print(x)
```

100

150

```
In [3]: 1 #Tell the output
        2 a
        3 print(a)
```

NameError

Traceback (most recent call last)

Cell In[3], line 1

```
----> 1 a
      2 print(a)
```

NameError: name 'a' is not defined

Type *Markdown* and LaTeX: α^2

```
In [4]: 1 #Tell the output
        2 c=100
        3 print(c)
        4 c=100.0
        5 print(c)
```

100

100.0

```
In [6]: 1 #Tell the output
        2 x=100
        3 print(type(x))
        4 print(id(x))
        5 x=150.0
        6 print(type(x))
        7 print(id(x))
```

<class 'int'>

140736566894472

<class 'float'>

1602124223664

In [7]:

```
1 #Tell the output
2 x=100
3 X=x+100
4 print(x)
5 print(X)
6 print(id(x))
7 print(id(X))
```

100

200

140736566894472

140736566897672