

Agenda:

- Variable Assignment

In [2]:

```
1 x=5
```

In [3]:

```
1 x+6
```

Out[3]:

11

- If we assign a data type to a name then its called as Variable

In [5]:

```
1 ##### Rules:  
2 # 1. Variable name cant be started with a number  
3 1a=5
```

File "<ipython-input-5-8d7edf76c8b8>", line 3

```
1a=5  
  ^
```

SyntaxError: invalid syntax

In [6]:

```
1 #2: variable name should always start with an alphabet  
2 a12=5
```

In [7]:

```
1 a12+10
```

Out[7]:

15

In [8]:

```
1 #3.space is not allowed while defining a variable  
2 a b=12
```

File "<ipython-input-8-0dd905784bca>", line 2

```
a b=12  
  ^
```

SyntaxError: invalid syntax

In [9]:

```
1 # underscore can be given rather than space
2 a_b=12
```

In [10]:

```
1 #4. we cant use symbols while defining a variable
2 s@=87
```

```
-----
NameError                                Traceback (most recent call last)
<ipython-input-10-9830b8050572> in <module>
      1 #4.
----> 2 s@=87
```

NameError: name 's' is not defined

In []:

```
1
```