

23-oct

```
In [1]: import os  
os.getcwd()
```

```
Out[1]: 'C:\\Users\\prash\\March rejoin lecture Python'
```

```
In [ ]: # get current working diractory(CWD)
```

Variables

- Store the variable
- vairables are used to stored the values, and the values can be changes

```
In [1]: num = 100  
  
# Value 100 stored in a variable called : nun  
print(num)
```

```
100
```

```
In [3]: num = 200  
print(num)
```

```
200
```

```
In [4]: NUMBER = 300  
NUMBER
```

```
Out[4]: 300
```

```
In [5]: number = 250  
number
```

```
Out[5]: 250
```

```
In [6]: number, NUMBER
```

```
Out[6]: (250, 300)
```

```
In [9]: number123 = 234  
number123
```

```
Out[9]: 234
```

```
In [10]: 123number = 1212  
123number
```

```
Cell In[10], line 1  
    123number = 1212  
      ^  
SyntaxError: invalid decimal literal
```

```
In [ ]: number # WORKS
        NUMBER # WORKS
        NUMBER123 # WORKS
        123NUM # NOT WORKS
```

```
In [11]: NUMBER$ONE 890
        NUMBER$ONE
```

```
Cell In[11], line 1
      NUMBER$ONE 890
              ^
SyntaxError: invalid syntax
```

```
In [12]: NUM_ONE = 788
        NUM_ONE
```

Out[12]: 788

- Variables can be a Capital letters
- Variables can be a small letter
- Variables can be a mix of both capital and small letters
- Variables can be a mix of letters and numbers as **suffix**
- Variables can not be a mix of letters and numbers as **prefix**
- Variables can not be include a special characters except **underscore**
- Variables can not be a **Space between words**
- Only underscore also consider as Variables
- Inbuilt keywords can not be a variables.

```
In [13]: _ = 10
        _
```

Out[13]: 10

```
In [ ]:
```