

## Panal Data The Data which is arranged in from of Tables In Panal Data Contains Any Type of Data In Panal Data, Data is May Be NAN Miss-Value Not A None

## **Use of Pandas**

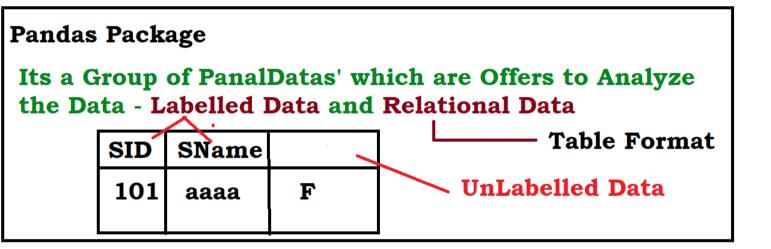
The main purpose of pandas is to find the <u>Relation</u> between Two or More Colums in a <u>Table</u> for the purpose

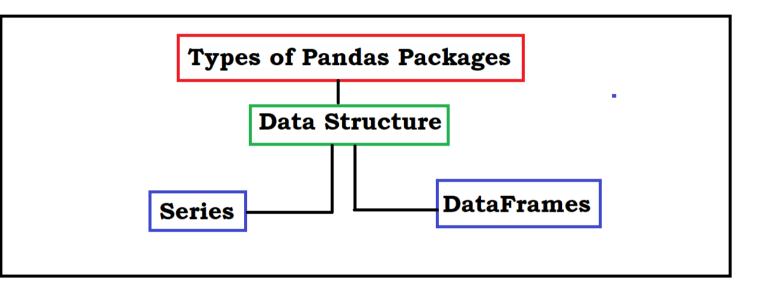
of Statistical Operations

100		
0		п
·	101	102

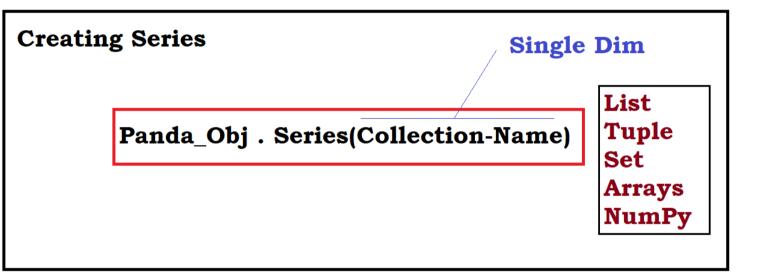
SID	S1 <sup>-</sup>	Res
101	40	P
102	20	F

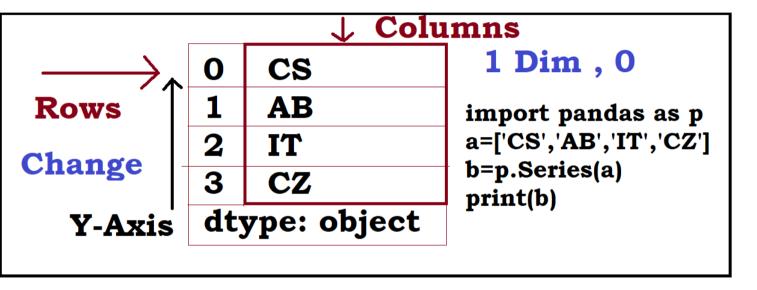
>35 - Pass

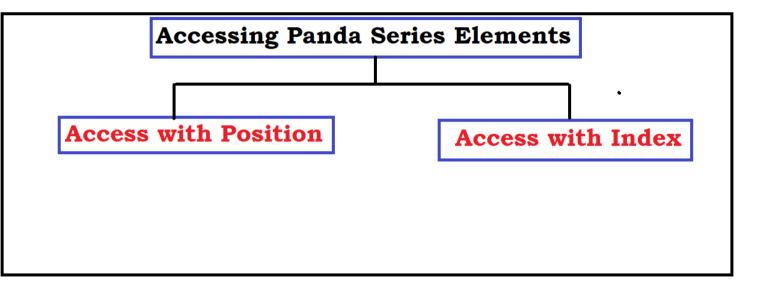












```
Access with Positions
                               import pandas as p
    CS
                               a=['CS','AB','IT','CZ']
               AB
    \mathbf{AB}
               IT
                               b=p.Series(a)
    IT
           dtype: object
                               print(b)
    CZ
                               #Access with Position
                    CS
dtype: object
                               print(b[1:3])
                    CZ
                              -print(b[-4::3])
                dtvpe: object
```

## **Access with Index**

```
import pandas as p
a=['CS','AB','IT','CZ']
b=p.Series(a,index=['@',2,'#',4])
print(b['@'])#CS
print(b['#'])#IT
```