```
import pandas as pd
df=pd.DataFrame()
print(df)
```

```
Empty DataFrame
Columns: []
Index: []
```

```
import pandas as pd
emp=pd.Series(['Dharun','Sudeep','Siva','Yash','Keerthana'])
id=pd.Series([80,90,28,57,49])
frame={'Emp':emp,'ID':id}
res=pd.DataFrame(frame)
print("\nseries to Dataframe\n")
print(res)
```

```
series to Dataframe

         Emp  ID
0     Dharun  80
1     Sudeep  90
2       Siva  28
3       Yash  57
4  Keerthana  49
```

```
print("\n Extracting one column\n")
print(res['Emp'])
```

```
 Extracting one column

0       Dharun
1       Sudeep
2         Siva
3         Yash
4    Keerthana
Name: Emp, dtype: object
```

```
print('\nAdding one column:\n')
res['ID']=pd.Series([80,90,28,56,89])
res['Age']=pd.Series([19,90,34,67,20])
print(res)
```

```
Adding one column:

          Emp  ID  Age
```

```
     0     Dharun  80   19
     1     Sudeep  90   90
     2       Siva  28   34
     3       Yash  56   67
     4  Keerthana  89   20
```

```
 print("\n Deleting new column \n")
del res['Age']
print(res)
```

```
     Deleting new column

              Emp  ID
     0     Dharun  80
     1     Sudeep  90
     2       Siva  28
     3       Yash  56
     4  Keerthana  89
```

```
 print('\n Extracting the second row: \n')
print(res.loc[1])
```

```
     Extracting the second row:

     Emp    Sudeep
     ID         90
     Name: 1, dtype: object
```

```
 print("Slice rows :\n",res[1:4])
```

```
Slice rows :
            Emp  ID
     1  Sudeep  90
     2    Siva  28
     3    Yash  56
```

```
d2=pd.DataFrame([['Vicky',100],['Rashid',111]],columns=['EMP','ID'])
print("\n Adding new row values : \n",pd.concat([res,d2]))
```

```
     Adding new row values :
               Emp   ID     EMP
     0     Dharun   80     NaN
     1     Sudeep   90     NaN
     2       Siva   28     NaN
     3       Yash   56     NaN
```

```
4  Keerthana   89     NaN
0        NaN  100   Vicky
1        NaN  111  Rashid
```

```
print("\n Detelting particular row:\n",res.drop(2))
```

```
 Detelting particular row:
          Emp  ID
0     Dharun  80
1     Sudeep  90
3       Yash  56
4  Keerthana  89
```