

**Assignment****Aim:- Demonstrate Pandas Package.****1) Code:-**

```
In [11]: import pandas as pd
         #Load Files in DataFrame

         data=pd.read_csv("Downloads/Data.csv")
```

```
In [12]: #Data Information
         print(data)
```

**Output:-**

	Id	Name	Gender	Marks	Admission_Date	Department	Fees
0	1	Janvi	Female	90	3/5/2018	IT	10000
1	2	OM	Male	85	30/6/2019	IT	8000
2	3	Dhruv	Male	88	3/5/2018	IT	15000
3	4	Ajay	Male	92	15/6/2019	Chemical	7000
4	5	Nisarg	Male	91	30/7/2019	Chemical	7000
5	6	Dishang	Male	88	18/6/2019	Civil	10000
6	7	Parth	Male	85	17/5/2019	Civil	6000
7	8	Mansi	Male	83	21/6/2019	Computer	15000
8	9	Sameera	Female	70	21/6/2019	Electrical	1000
9	10	Sanjay	Male	90	21/6/2019	Computer	1000

2)

Code:-

```
In [42]: import pandas as pd
         #Load Files in DataFrame

         data=pd.read_csv("Downloads/Std.csv")
         pd.options.display.max_rows=20
```

```
In [43]: print(data)
```

**Output:-**

```
In [43]: print(data)
```

	Name	Department	Percentage
0	Yatharth	Computer Engineering	99
1	Yuvraj	IT	98
2	Vihanee	Civil	97
3	Raju	IT	95
4	Avasti	Chemical	80
..	...	...	...
60	Nisha	Computer Engineering	50
61	Pooja	Civil	45
62	Komal	CSE	40
63	Sagar	IT	46
64	Akash	Chemical	40

```
[65 rows x 3 columns]
```

3)

Code:-

```
In [58]: import pandas as pd
         data=pd.read_csv('Downloads/weight.csv')
```

```
In [59]: print(data)
```

**Output:-**

```
In [59]: print(data)
```

	Gender	Height	Weight
0	Male	68.781904	162.310473
1	Male	74.110105	212.740856
2	Male	71.730978	220.042470
3	Male	73.847017	241.893563

4)

Code:-

```
In [62]: import pandas as pd
data=pd.read_csv('Downloads/std.csv')
print("The first Five rows: ",data.head())
print("The Last Five rows: ",data.tail(10))
```

**Output:-**

```
In [62]: import pandas as pd
data=pd.read_csv('Downloads/std.csv')
print("The first Five rows: ",data.head())
print("The Last Five rows: ",data.tail(10))
```

The first Five rows:		Name	Department	Percentage
0	Yatharth	Computer Engineering	99	
1	Yuvraj	IT	98	
2	Vihanee	Civil	97	
3	Raju	IT	95	
4	Avasti	Chemical	80	
The Last Five rows:		Name	Department	Percentage
55	Raju	IT	95	
56	Avasti	Chemical	80	
57	Ashima	Civil	66	
58	Mahi	Electrical	89	
59	Riya	CSE	90	
60	Nisha	Computer Engineering	50	
61	Pooja	Civil	45	
62	Komal	CSE	40	
63	Sagar	IT	46	
64	Akash	Chemical	40	

5)

Code:-

```
In [64]: import pandas as pd
data=pd.read_csv('Downloads/std.csv')
print("The first ten data is : ",data[["Name","Department"]])
```

**Output:-**

```
In [64]: import pandas as pd
data=pd.read_csv('Downloads/std.csv')
print("The first ten data is : ",data[["Name","Department"]])
```

```
The first ten data is :      Name      Department
0  Yatharth  Computer Engineering
1   Yuvraj             IT
2  Vihanee             Civil
3    Raju             IT
4   Avasti             Chemical
..  ...             ...
60   Nisha  Computer Engineering
61   Pooja             Civil
62   Komal             CSE
63   Sagar             IT
64   Akash             Chemical

[65 rows x 2 columns]
```