

```
import pandas as pd
df=pd.read_csv('student_marks.csv')
df
```

	Name	Stream	Percentage
0	Ajay	Math	88
1	Amit	Commerce	92
2	Keerthi	Science	95
3	Prem	Math	70
4	Priya	Math	65
5	Pragna	Science	78

#1)selecting all the rows from the given dataframe in which 'Percentage' is greater than 80 using basic method.

```
import pandas as pd
A= df[df['Percentage']>80]
A
```

	Name	Stream	Percentage
0	Ajay	Math	88
1	Amit	Commerce	92
2	Keerthi	Science	95

#2)selecting all the rows from the given dataframe in which 'Percentage' is greater than 80 using loc.

```
b=df.loc[df['Percentage']>80]
b
```

	Name	Stream	Percentage
0	Ajay	Math	88
1	Amit	Commerce	92
2	Keerthi	Science	95

#3)Display only the 'name' and Percentage columns using the loc method.

```
c=df.loc[:,['Name','Percentage']]
c
```

	Name	Percentage
0	Ajay	88
1	Amit	92
2	Keerthi	95
3	Prem	70
4	Priya	65
5	Pragna	78

#4)Display only the 'Name' and 'Percentage' columns for rows when the 'Percentage' is greater than 80 using the loc method.

```
d=df.loc[df['Percentage']>80,['Name','Percentage']]
d
```

	Name	Percentage
0	Ajay	88
1	Amit	92
2	Keerthi	95

#5)Update the 'Percentage' value to 90 for the rows where the name is 'Ajay'.

```
e=df.loc[df['Name']=='Ajay','Percentage']=90
e
```

```
90
```

#6)Select all rows where the 'Precentage' is greater than 90 and the 'Stream' is 'Science'.

```
f=df.loc[(df['Percentage']>90)&(df['Stream']=='Science')]
f
```

	Name	Stream	Percentage
2	Keerthi	Science	95

#7)Display all the rows where the 'Streme' is not 'Mahi'.

```
g=df.loc[df['Stream']!='Math']
g
```

	Name	Stream	Percentage
1	Amit	Commerce	92
2	Keerthi	Science	95
5	Pragna	Science	78

#8)Display the first two rows and the first two columns of the DataFrame.

```
h=df.iloc[:2,:2]
h
```

	Name	Stream
0	Ajay	Math
1	Amit	Commerce

#9)Sort the rows of the DataFrame in Ascending order based on the values in the 'Streame' coloumn.

```
i=df.sort_values(by='Stream')
i
```

	Name	Stream	Percentage
1	Amit	Commerce	92
0	Ajay	Math	90
3	Prem	Math	70
4	Priya	Math	65
2	Keerthi	Science	95
5	Pragna	Science	78

#10) Drop the rows where the 'Stream' is 'Math' from the original dataset.

```
j=df[df['Stream']!='Math']  
j
```

	Name	Stream	Percentage
1	Amit	Commerce	92
2	Keerthi	Science	95
5	Pragna	Science	78