

# Analysing Student Scores

Import the pandas module

In [1]:

```
import pandas as pd
```

Read the excel file into a pandas DataFrame

In [3]:

```
path='C:/Users/HP/Downloads/'
file='student_data.xlsx'
data=pd.read_excel(path+file)
```

What is the average score obtained by the students?

In [4]:

```
s=data['Final Score'].sum()
n=data['Final Score'].count()
print(s/n)
```

87.2156862745098

In [ ]:

What is the lowest attendance registered across all students?

In [7]:

```
data.Attendance.min()
```

Out[7]:

75

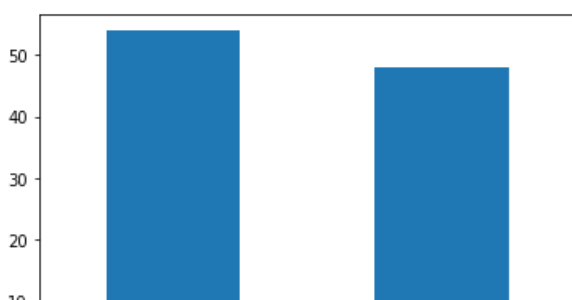
Create a bar plot of the no of male and female students studying at the university

In [8]:

```
%matplotlib inline
data['Gender'].value_counts().plot.bar()
```

Out[8]:

<matplotlib.axes.\_subplots.AxesSubplot at 0x2211a66c248>





What is the most popular course at the university?

In [9]:

```
l=list(data['Course'])
m=0
r=l[0]
for i in l:
    f=l.count(i)
    if f>m:
        m=f
        r=i
print(r)
```

Business

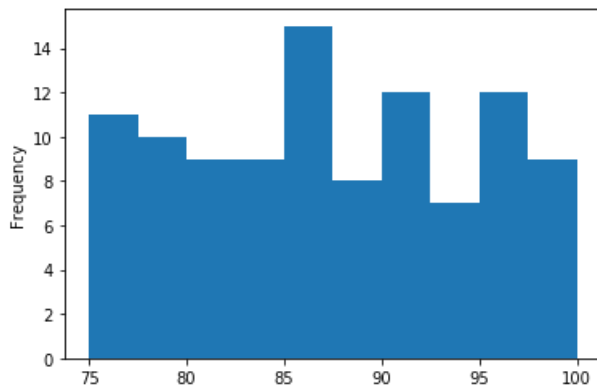
Plot the histogram showing students' final scores

In [10]:

```
data['Final Score'].plot.hist()
```

Out[10]:

<matplotlib.axes.\_subplots.AxesSubplot at 0x2211ad9d4c8>



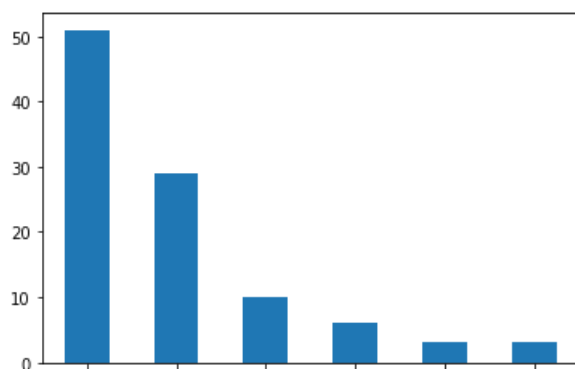
Create a bar plot of the age group of the students and try to identify which age group has the largest number of students

In [11]:

```
data['Age'].value_counts().plot.bar()
```

Out[11]:

<matplotlib.axes.\_subplots.AxesSubplot at 0x2211ae83a88>



21-25

18-20

26-30

<18

31-35

>36

In [12]:

```
print("From above graph we see that Age 21-25 has max students")
```

From above graph we see that Age 21-25 has max students

In [ ]: