I)Excel

1)Write a Pandas program to import excel data into a Pandas dataframe.

```python
import pandas as pd

import numpy as np

df = pd.read_excel('E:\coalpublic2013.xlsx')

df.tail(n=10)
```

Sample Output:

```
    Year   MSHA ID          Mine_Name   Production   Labor_Hours
40  2013    103372   Cane Creek Mine        66258         32401
41  2013    103376        Town Creek       299167        176499
42  2013    103389   Carbon Hill Mine       76241         84966
43  2013    103410   Coal Valley Mine      407841        158591
44  2013    103423   Dutton Hill Mine       37275          9162
45  2013   1519322          Ghm #25         25054          3108
46  2013    103321    Poplar Springs       189370         76366
47  2013    103358        Old Union        284563        161805
48  2013   5000030          Usibelli      1631584        286079
49  2013    201195      Kayenta Mine      7602722       1015333
```

2) Write a Pandas program to find the sum, mean, max, min value of a column of file.

```python
import pandas as pd

import numpy as np

df = pd.read_excel('E:\coalpublic2013.xlsx')

print("Sum: ",df["Production"].sum())

print("Mean: ",df["Production"].mean())

print("Maximum: ",df["Production"].max())

print("Minimum: ",df["Production"].min())
```

Sample Output:

```
Sum:   27854323
Mean:   557086.46
Maximum:  7602722
Minimum:   0
```