EXP-17

Aim: To write a program to split the dataframe by school code and get mean, min and max value of age for each school

pseudocode:

- import the pandas library
- create a Dataframe with column including "School Code" and "Age"
- Group the Dataframe by "School Date"
- Calculate the mean, min and max of the "age" column for each group
- Display the input

sample input:

```
data = {'school code' : ['S1', 'S2', 'S3', 'S4', 'S5'],
        'studentname' = ['sabari', 'Enne', 'Suriya', 'sandy'],
        'age' : [15, 14, 16, 15, 17]}
```

sample output:

school code	Mean	Min	Max
S1	14.5	14	15
S2	15.5	15	16
S3	14.0	14	14

Result:

This code was successfully executed and got the output

```python
import pandas as pd

# Sample DataFrame
data = {
    'School_Code': ['S1', 'S2', 'S1', 'S3', 'S2'],
    'Student_Name': ['Alice', 'Bob', 'Charlie', 'David', 'Eve'],
    'Age': [15, 16, 14, 17, 15]
}

df = pd.DataFrame(data)

# Grouping by 'School_Code' and calculating mean, min, and max of 'Age'
grouped = df.groupby('School_Code')['Age'].agg(['mean', 'min', 'max'])

# Display the result
print(grouped)
```

```
             mean  min  max
School_Code
S1           14.5   14   15
S2           15.5   15   16
S3           17.0   17   17
```