2. Python SBQ City District

Create a class **City** with below attributes:

int - pinCode
String - name
int - population
int - area

Create the __init__ method which takes all parameters in the above sequence.
The method should set the value of attributes to parameter values inside the method.

Create a class **District** with below attributes:

String - districtName
List - cityList

Create the __init__ method which takes all parameters in the above sequence.
The method should set the value of attributes to parameter values inside the method.

Implement two methods -

parameter values inside the method.

Implement two methods - **findMinimumCityByPinCode** and **sortCityByPopulation** in District class.

findMinimumCityByPinCode

Create a method findMinimumCityByPinCode in the District class. This method will return the City having the minimum value for pinCode of all the Cities in the City List of the District class. If there is no City found in the City List or list is empty then return NONE to main program.

sortCityByPopulation

Create a method sortCityByPopulation in the District class. This method will return the City sorted list for population in ascending order of all the Cities in the City list of the District class. If there is no City found in the City list then return NONE to main program.

These methods should be called from the main method.

Instructions to write main section of the code:

a. You would require to write the main section completely, hence please follow the below instructions for the same.

b. You would require to write the main program which is inline to the sample input description section mentioned below and to read the data in

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c. To create District and City objects , take the inputs in below sequence.

To create a List of n City objects read the value of n.

To create a List of n City objects read values for **pinCode, name, population, area (in this order)** and create the City object and add to the List. Repeat this step n times.

Create the District object by passing the district name (this can be any random string) and List of City created in previous step.

d. Call the method findMinimumCityByPinCode using the District object created in point #c.

e. Call the method sortCityByPopulation using the District object created in point #c.

f. Print the output of both methods as per given sample output.

g. If there is NONE returned from any method print- **No Data Found.**

Don't use any static text or formatting

e. Call the method sortCityByPopulation using the District object created in point #c.
f. Print the output of both methods as per given sample output.
g. If there is NONE returned from any method print- **No Data Found.**

Don't use any static text or formatting for printing the result. Just invoke the method and print the result.
Sequence for specific object will follow same attribute sequence as mentioned in the question.
You may refer to the sample Input/output for the display format.

Sample Input:

```
5
110001
Delhi
19000000
1484
230532
Mumbai
12500000
604
682001
Kochi
677777
95
600001
```

Lang

1

left

ALL

1

2

```
5
110001
Delhi
19000000
1484
230532
Mumbai
12500000
604
682001
Kochi
677777
95
600001
Chennai
7090000
426
530068
Bengaluru
8440000
709
```

Sample Output:

```
110001
Delhi
19000000
1484
677777
7090000
8440000
12500000
19000000
```