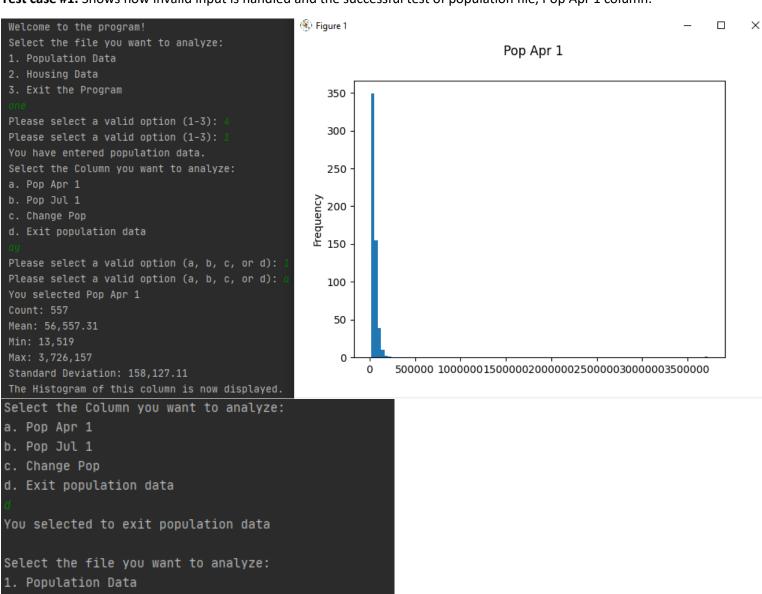
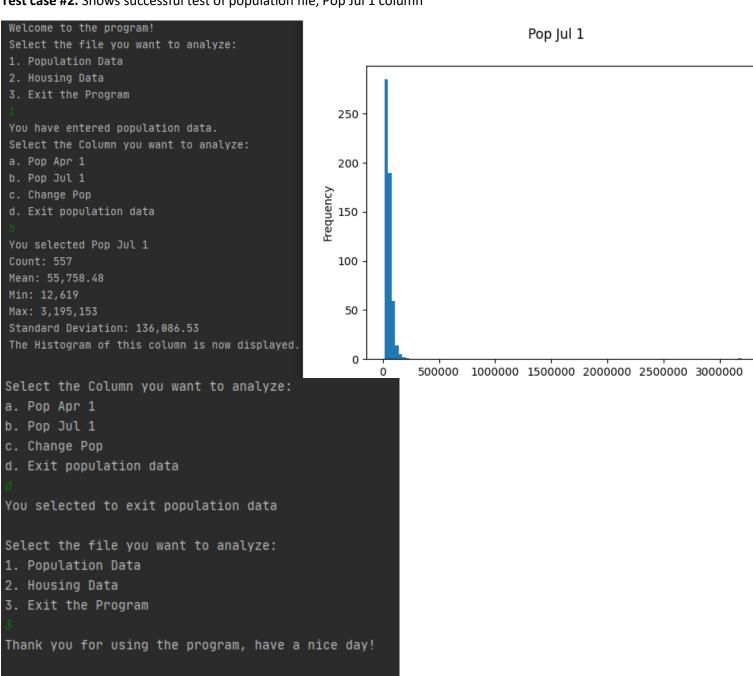
Test case #1. Shows how invalid input is handled and the successful test of population file, Pop Apr 1 column.



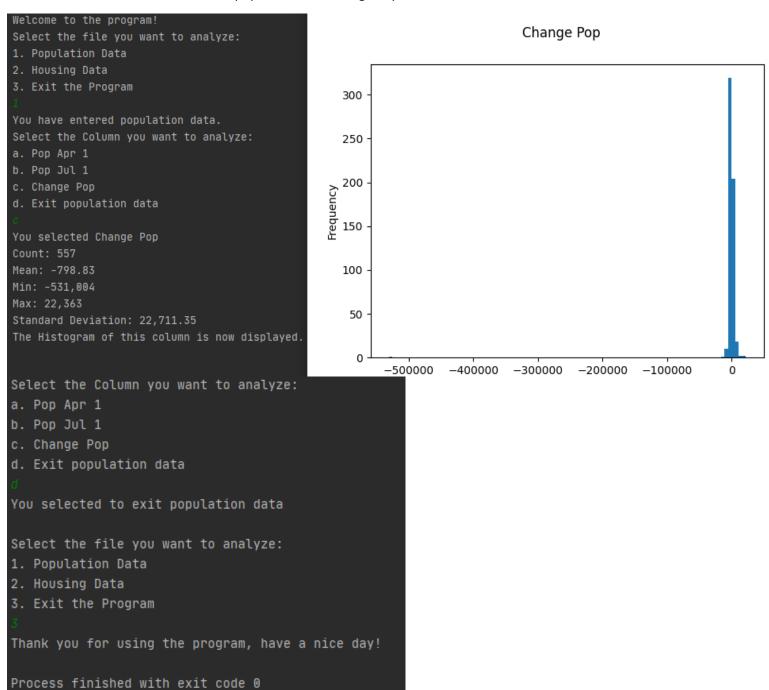
Housing Data
 Exit the Program

Thank you for using the program, have a nice day!

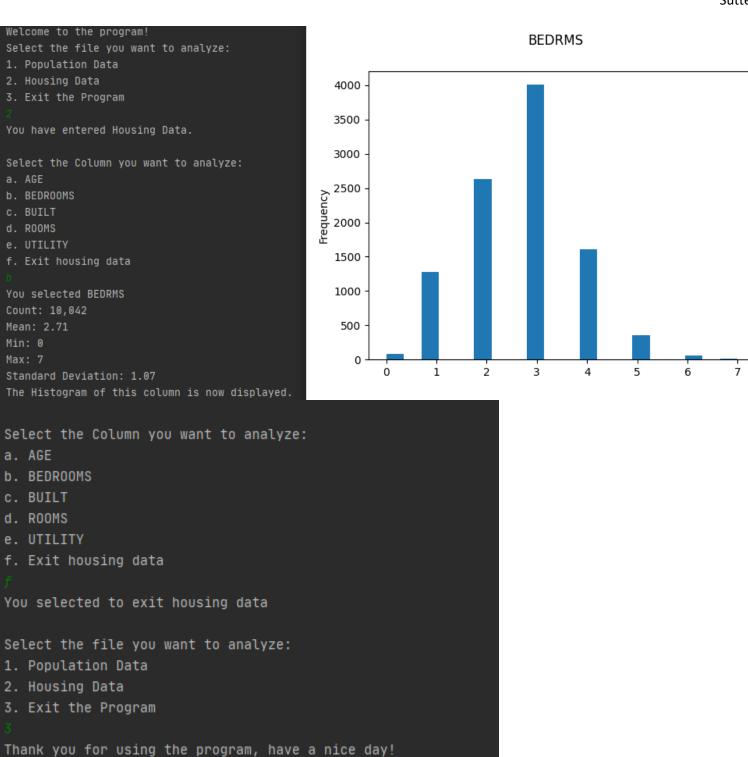
Test case #2. Shows successful test of population file, Pop Jul 1 column

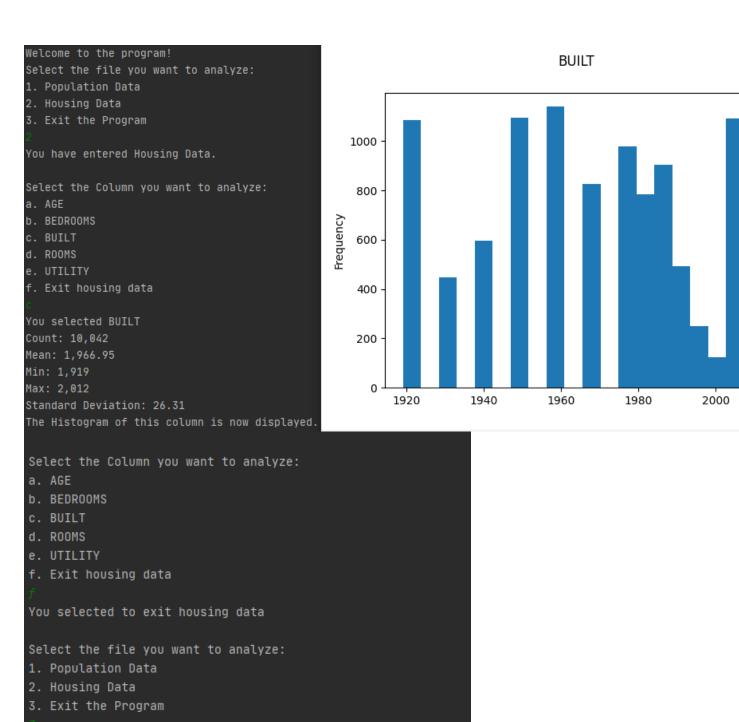


Test case #3. Shows successful test of population file, Change Pop column

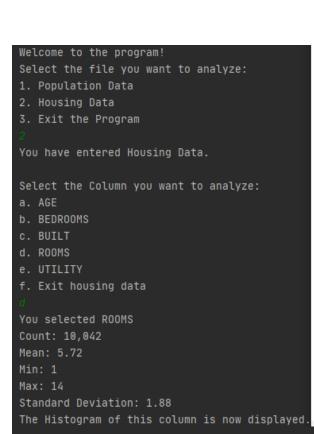


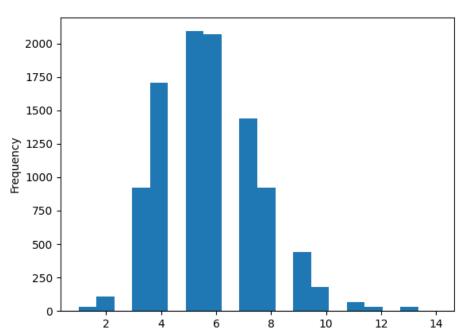
```
Welcome to the program!
                                                                                 AGE
Select the file you want to analyze:
1. Population Data
2. Housing Data
                                                 1000
3. Exit the Program
You have entered Housing Data.
                                                  800
Select the Column you want to analyze:
                                                  600
                                               Frequency
c. BUILT
d. ROOMS
e. UTILITY
                                                   400
f. Exit housing data
You selected AGE
                                                  200
Count: 10,042
Mean: 47.22
                                                                        20
                                                                                  40
                                                                                             60
                                                                                                       80
Standard Deviation: 23.15
The Histogram of this column is now displayed.
Select the Column you want to analyze:
a. AGE
b. BEDROOMS
c. BUILT
d. ROOMS
e. UTILITY
f. Exit housing data
Please select a valid option (a, b, c, d, e, or f): z
Please select a valid option (a, b, c, d, e, or f): f
You selected to exit housing data
Select the file you want to analyze:
1. Population Data
2. Housing Data
3. Exit the Program
Thank you for using the program, have a nice day!
```





Thank you for using the program, have a nice day!





ROOMS

Select the Column you want to analyze:

- a. AGE
- b. BEDROOMS
- c. BUILT
- d. ROOMS
- e. UTILITY
- f. Exit housing data

You selected to exit housing data

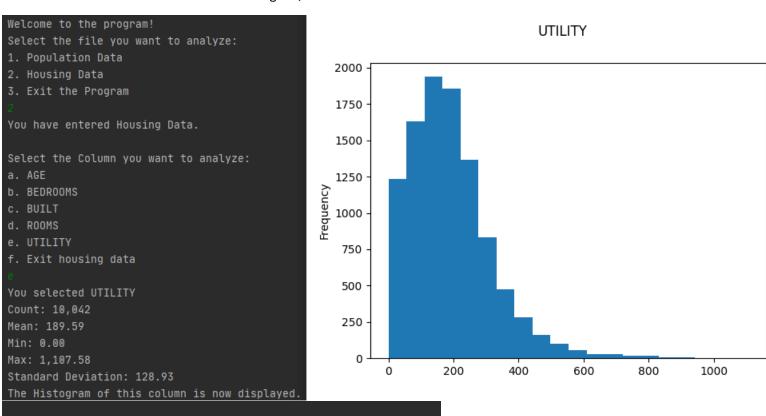
Select the file you want to analyze:

- 1. Population Data
- 2. Housing Data
- 3. Exit the Program

3

Thank you for using the program, have a nice day!

Test case #8. Shows successful test of housing file, UTILITY column



Select the Column you want to analyze:

- a. AGE
- b. BEDROOMS
- c. BUILT
- d. ROOMS
- e. UTILITY
- f. Exit housing data

You selected to exit housing data

Select the file you want to analyze:

- 1. Population Data
- 2. Housing Data
- 3. Exit the Program

Thank you for using the program, have a nice day!

Process finished with exit code 0

Pylint results:

```
(venv) C:\Users\munki\PycharmProjects\lab5>pylint lab5.py

-----
Your code has been rated at 10.00/10 (previous run: 9.30/10, +0.70)
```