Assignment 1 Report – CSCI251

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**(Interpreted) Requirements of the program**

 Gain proficiency in using the Ubuntu terminal to display various types of graphs.

 Learn to open and read files directly from the Ubuntu terminal.

 Understand the use of dynamic arrays and manage their memory allocation effectively.

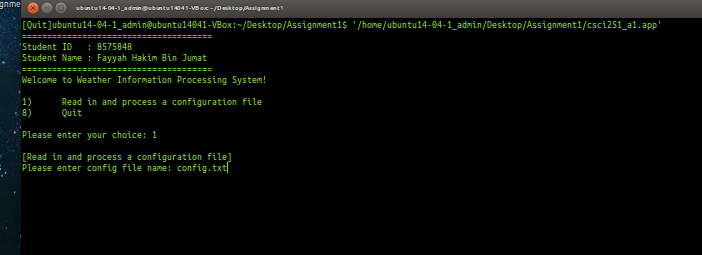
 Implement features designed to enhance the user experience.

 Utilize characters to create illustrative representations.

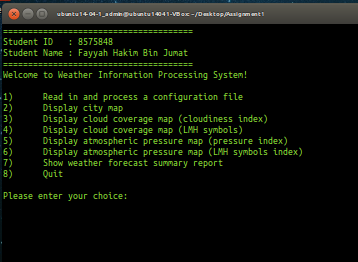
 Properly deallocate pointers to prevent memory leaks during runtime.

**Diagram/ Illustrations of program design**

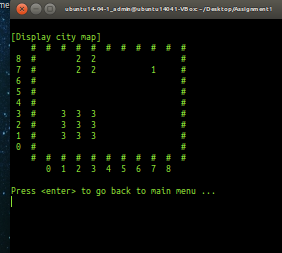
**Option1:**

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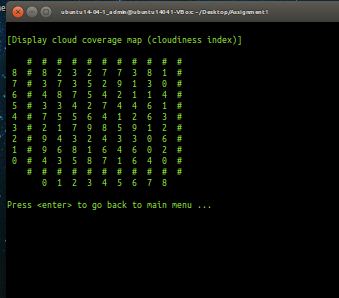
Before file is read, options 2-7 are not shown.



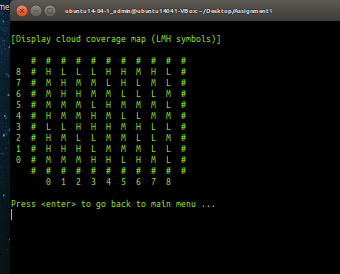
**Option2:**

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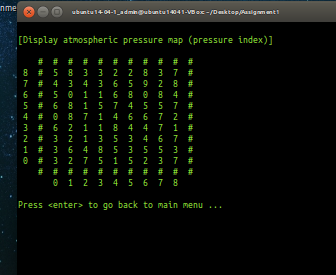
**Option3:**

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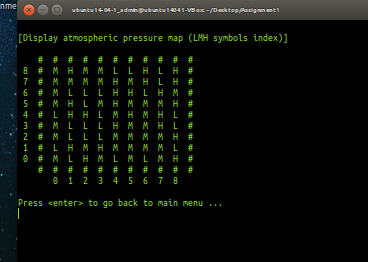
**Option4:**

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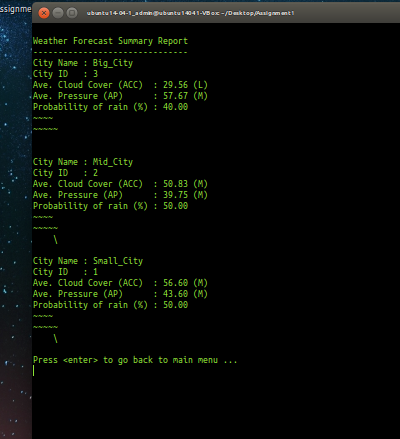
**Option5:**

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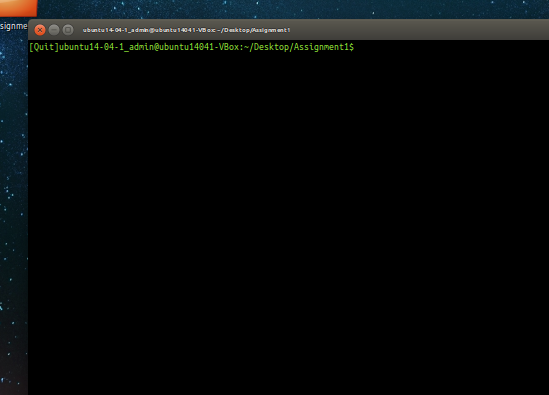
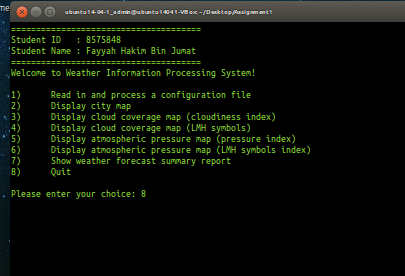
**Option6:**

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**Option7:**

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**Option8:**

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Inputting 8 exits the program.