

BIL105E
Intr to Sci&Eng Comp(C)

Exam #4:
Silhouette Puzzle

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1.About the Program:

In this homework we have to draw the silhouette of a city block from given viewpoints. We have to use pointers and also allocate memory.

We need 3 functions:

Main() - Firstly we are getting heights of buildings. Then changing their place in our pointer depending on viewpoint. Next, we are founding highest value. Every high building will be shown, so we are counting this buildings and their value for calculating average height. Then sending values to in_array, if they exists in our in_array function we are printing ^ symbol, if not # symbol. After all program prints average height.

GetSize() - Will get size of city block and check inputs.

in_array() - checks if given number is exists in array or not.

2.WorkSpace:

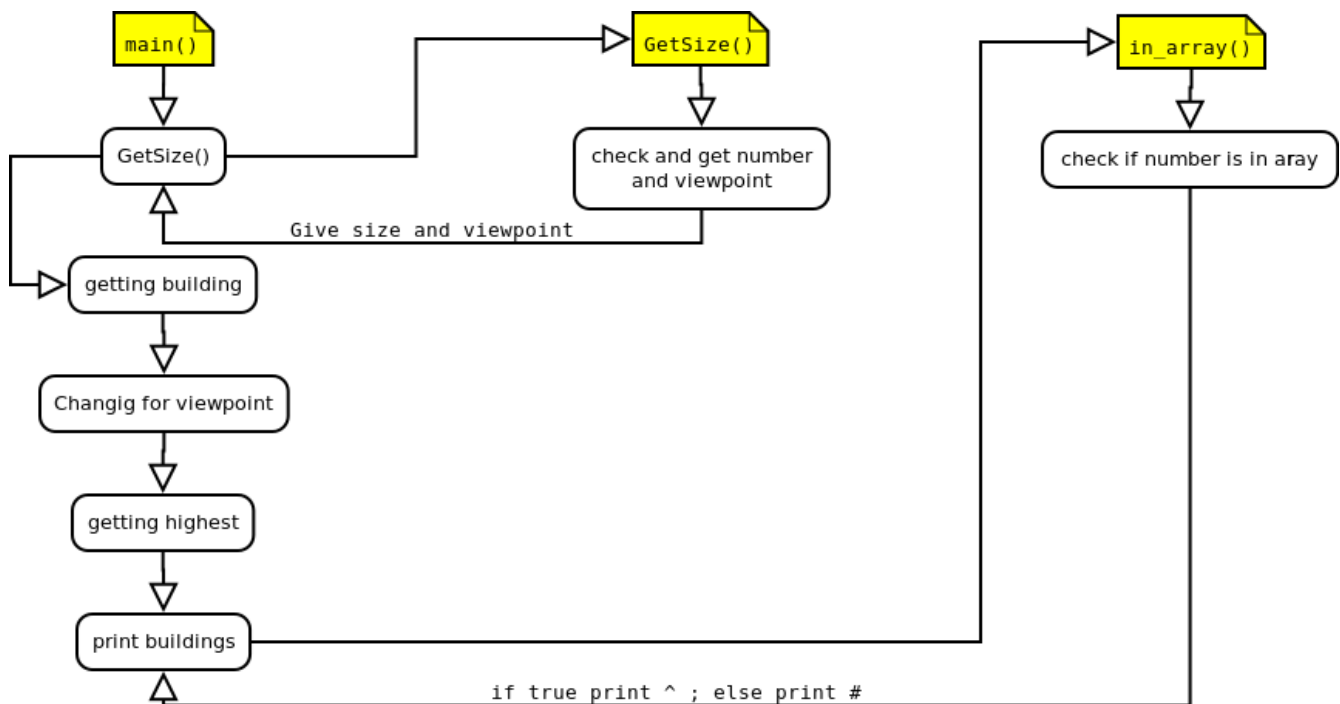
Linux Ubuntu 13.04

Terminal Programs (g++ and gdb)

Geany & Sublime Text 2 (IDE – Code Editor)

LibreOffice, Document Viewer, GEdit, Dia, Gimp, Vk-Music , Git, PHP

3.Diagram:



4.Result:

Using main, GetSize and in_array functions program works correctly without errors. Also fixed Memory Error, posted in StackOverFlow then writed solution by myself :)