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| --- | --- |
| **Lab:** | |
| **Name:** | **Student ID:** |
| **Date:** | |

Please refer to the lab manual posted on the blackboard and fill in the following table as your final lab report.

**Please Notice**: All the labs are individual work and submission. All academic misconduct behaviors will be penalized the maximum extent possible according to college policy. Thanks for your attention. (Reference Link: [About Academic Misconduct](https://academic-regulations.humber.ca/2018-2019/17.0-ACADEMIC-MISCONDUCT))

Please finish all the ***lab report submission requirements*** in the following table. Add more rows if necessary.

|  |  |
| --- | --- |
| Requirements | Your submissions (Answers/Source Code/Screenshots/File Submissions, etc.)  Please notice: If it is required to submit a file, please attach it separately on the blackboard. |
| A | Lab4.c |
| B |  |
| C |
| D | Pseudocode.txt |

Part B and C:

A screenshot of a computer program

Description automatically generated

Psuedocode:  
  
  
Declare Num1, Xpos, Ypos, Quadrant as integer

START GetQuadrant (Xpos, Ypos)

if Xpos > 0 and Ypos > 0

return 2

if Xpos < 0 and Ypos > 0

return 3

if Xpos < 0 and Ypos < 0

return 4

if Xpos > 0 and Ypos < 0

return 1

if Xpos = 0 and Ypos = 0

return origin

if Xpos = 0 and Ypos =! 0

return Y axis

if Xpos =! 0 and Ypos = 0

return X axis

END GetQuadrant

START

INPUT Num1

FOR each i from 0 to Num1

INPUT Xpos

INPUT Ypos

print(GetQuadrant(Xpos,Ypos))

END FOR

END