

GEOG 384: First Quiz
September 21, 2023

YOUR TASK:

You have an (x,y) coordinate and you need write code to find out if this coordinate is within a 10x10 grid.

Write code that prints the coordinates and the answer to the screen within some text. Eg. "My coordinate (2, 4) is within a 10x10 grid."

Remember if you cannot figure out the code, or your code is not working, write what the code should do as javascript comment statements for partial marks.

**YOU MAY NOT HAVE ANY WEBSITE (w3 schools etc.) OPEN DURING THIS QUIZ.
YOU ARE REQUIRED TO HAVE A TEXT EDITOR (SUBLIME ETC.) AND A BROWSER OPEN.
YOU MAY ONLY USE THE BROWSER TO TEST YOUR CODE.**

Start by opening the <https://neogeoweb.ca/quiz/quiz1.html> page

Open a new document in your rich text editor (notepad++ or otherwise). View the page source of <https://neogeoweb.ca/quiz/quiz1.html>, copy it and save it to your computer as *lastname-quiz1.html*

Look at the <body> section of the page. Using HTML, add a custom title <h1>.

Now add your javascript code in the <script> section

Start by creating and assigning your x and y variables. Use a coordinate of your choice. You will have to change these numbers several times to test your code.

Write some conditional statements to check whether your point is within the bounds of a 10x10 grid. HINT: don't panic - break this down into steps

Add output statements to your conditionals. If your coordinate is within the grid, print out a message (example: "My coordinate (2, 4) is within the 10x10 grid"). If your coordinate is outside the grid, print out a different message (example: "My coordinate (2, 4) is outside the 10x10 grid").

For your outputs please use this line of javascript code, that I demonstrated earlier

```
document.write("Hello World!");
```

Finish by testing your code and emailing in your work.

Test your code by changing the x and y values, make sure it can handle all the different possibilities of x, y or both being inside and outside the 10x10 grid.

Email your *lastname-quiz1.html* document to renee.sieber@mcgill.ca and sichen.wan@mail.mcgill.ca