

GEOG 384: Quiz the First

September 20, 2022

YOUR TASK:

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

Print the coordinates and the answer to the screen within some text. For example, 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. Comments start with //. Any text between // and the end of the line will be ignored by JavaScript.

DO AS MUCH AS YOU CAN.

YOU MAY NOT HAVE ANY WEBSITE (e.g., w3 schools) OPEN DURING THIS QUIZ. YOU MAY ONLY USE A TEXT EDITOR TO WRITE YOUR CODE AND A BROWSER TO TEST YOUR CODE.

Start by creating your html page (3 points).

Open a new document in your rich text editor (notepad++ or otherwise). Save this document as *lastname-quiz1.html*

Write out the required sections of your html page (script, head, html, body) using the correct <tags> and in the correct order. (2 points)

Leave the body of the page blank, but add a custom <title> to the page of your choice. (1 point)

Now add your javascript code (7 points).

Start by 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. (1 point)

Write some conditional statements to check whether your point is within the bounds of a 10x10 grid. (4 points)

Add output statements to your conditionals (e.g., "My coordinate (2, 4) is within a 10x10 grid"). You must have a message for points within and a message outside the 10x10 grid. (2 points)

For your outputs please use this line of javascript code, which will display your message when the page is loaded in your browser. This method does not require specifying a div like innerHTML() which we have seen in class:

```
document.write("Hello World!"); //Obviously you replace the Hello World part
```

If you have time, test your code. For example, 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 nicolas.dossantos@mail.mcgill.ca