

GEOG 384 Quiz 2 - November 25th 2025

(10 points total, 10% of grade)

You must use classroom computers to complete this quiz.

Only software permitted:

	
SUBLIME TEXT, NOTEPAD ++	GOOGLE CHROME
For Writing code	Testing Code

WARNING: You MAY NOT access any Internet sites, except for the course site. Only your code, saved locally to your machine, is allowed to be opened in a browser tab. You will receive an automatic zero for violating this rule.

Scenario: Write Javascript code that asks the user to specify the start and end of a line segment on a 1-dimensional plane (flat / just X no Y), then checks whether the segment falls in the range of 0-100.

Side Note: Don't waste time trying to figure out the use case of this app. It's not a realistic/practical scenario where you would write code, it's just an exercise to test your ability to program logic in javascript.

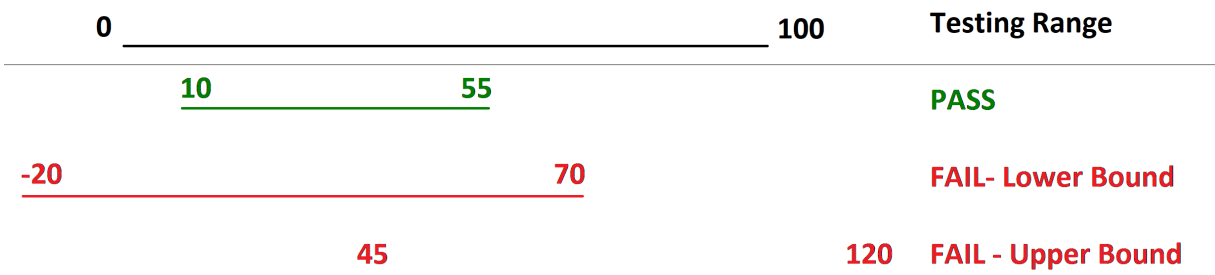


Diagram of the requested logic. You don't need to draw a line.

- 1) Write the basic layout of an HTML document.
 - You must include a body, head and script section.
- 2) Save your document to the desktop as: *Quiz2-Lastname.html*
 - Replace lastname with your own last name.
- 3) Add the following html elements:
 - A custom <title>
 - A header of any size
 - A paragraph with a bit of text about what the app does.
- 4) Add the following javascript elements:
 - Variables that store the user's line's start and end coordinate
 - 1-2 prompts that asks the user to specify start and end coordinates
 - Remember to use: `parseInt(prompt());`
 - A check that the user entered numbers, not text
 - A function that:
 - Accepts two numbers as parameters (the user's start and end)
 - Checks whether either end of the line segments crosses below 0 or above 100 (see diagram above for visualization of logic)
 - Returns TRUE or FALSE (boolean, not string value)
 - Some logic that includes a call to your function and sends a message to the screen using `document.write("my text")` that:
 - If the function returns TRUE that informs the user:
 - *Your line segment starting at X1 and ending with X2 is within the test range.*
 - *Where X1 and X2 is replaced with the user's coordinates*
 - If the function returns FALSE that informs the user:
 - *Your line segment starting at X1 and ending with X2 is outside the test range.*

General Advice:

- You will need code that checks both coordinates of your line segment against the lower (0) and upper (100) bounds of the test range.
- There is no one correct way to approach this. Any combination of logic that correctly evaluates whether your line segment is within range will receive full marks.
- Write as many or as few statements as you need. Everyone's brain will approach this slightly differently.
- Ideally, your paragraph from Step 3 and your test results from step 4 will flow together, but only if you have extra time. Getting the code to work is more important.

- 1) Document your code with comments
- 2) Save and email your *Quiz1-redo-Lastname.html* to krista.kueviakoe@mail.mcgill.ca and renee.sieber@mcgill.ca.
DO NOT SEND TO IAN!!