

Link to the github repository
(<https://github.com/ece421-2026/assignment-5-rajuthekaju17>)

Assignment 5 - Written Answers

Question 1

a)

The function `foo(text, string)` searches through a multi-line string (`text`) and finds all occurrences of a substring (`string`).

For every match, it records `x` (the line number where the match occurs), and `y` (the character index within that line).

It returns a vector of structs containing the coordinates of each match.

b)

Running the `foo` function results in the following output:

x: 0, y: 16

x: 2, y: 25

x: 4, y: 22

x: 12, y: 27

x: 13, y: 46
