Programming languages (TC-2006)

In-class activity 05

In this activity, you will practice with the Haskell language. Please consider that the purpose of this activity is to allow you to practice and identify strengths and weaknesses. Then, implement these functions as requested and avoid using any built-in functions that already do what you are requested to implement.

1 `index` (30%)

Write a function in Haskell that receives a string and a character and returns the position of such a character in the string. If the character cannot be found in the string, the function produces an error.

2 `firstn` (35%)

Write a function that returns the first n elements from a list. For evaluation purposes you are not allowed to use the built-in functions, `take`, `drop` or `reverse`.

3 `lastn` (35%)

Write a function that returns the last n elements from a list. For evaluation purposes you are not allowed to use the built-in functions, `take`, `drop` or `reverse`.

Deliverables

Prepare an HS file that contains the functions requested and submit it to Canvas. **Please, do not submit other formats but HS**.

I promise to apply my knowledge, strive for its development, and not use unauthorized or illegal means to complete this activity, following the Tecnológico de Monterrey Student Code of Honor.