

152112011 Computer Programming LAB

Quiz 1

15 March 2022

Duration: 20 Minutes

Objectives:

- C++ Programming Arrays
- C++ File name is **StudentID_Quiz1.cpp**
- Your code should be suitable for any situation (array). It should not be created based on the given example.
- **Note:** Write comments in your code for explaining steps.
- **Note:** Pay attention to the indentations in your code.
- **Everyone should do it alone.**
- **Please do not cheat.**

Question:

Suppose an array A contains altitude values of different locations of a mountain. Find how many hills the mountain has. A hill is the point that has bigger altitude value of its surroundings. Start from index-0 and then move forward to the end.

Use the given predefined array for this question: A (1,1,2,3,2,3,4,4,5,4,3,4,2,3,4,3)

For example: B (2,3,4,3,2) => The point of value 4 is a hill.