CSC2111
Computer Science I
Winter 2016
Lab 10
50 Points
Due 02/27/2016 10:00 PM

Important notice!

You should put comments in your take-home assignments. Solutions without comments will be deducted 5 points in grade.

1. 30 points

Use dynamic array for this program

The history teacher at your school needs help in grading a True/False test. The students' IDs and test answers are stored in a file. The first entry in the file contains answers to the test in the form:

TFFTFFTTTTFFTFTFTFTT

Every other entry in the file is the student ID, followed by a blank, followed by the student's responses. For example, the entry:

ABC54301 TFTFTFTT TFTFTFFTTFT

indicates that the student ID is ABC54301 and the answer to question 1 is True, the answer to question 2 is False, and so on. This student did not answer question 9. The exam has 20 questions, and the class has more than 150 students. Each correct answer is awarded two points, each wrong answer gets one point deducted, and no answer gets zero points. Write a program that processes the test data. The output should be the student's ID, followed by the answers, followed by the test score, followed by the test grade. Assume the following grade scale: 90%–100%, A; 80%–89.99%, B; 70%–79.99%, C; 60%–69.99%, D; and 0%–59.99%, F.

2. 20 points

Write a program that prompts the user to input a string and outputs the string in uppercase letters. (Use a character dynamic array to store the string.)