Name:

Please remember you must follow instructions exactly in this course. Failure to follow these instructions will result in a failing grade on this quiz.

Do your work in this directory:

/data/courses/ece\_1111/current/quizzes/qu\_02/lastname\_firstname

Questions:

1. John Smith, who did not take ECE 1111, wrote some really bad code shown below. This is an excerpt from this code – not a self-contained program. Where is the syntax error in the code below? Describe the problem and how you would fix it.

float x = 27.0;

long rows;

fprintf(stdout, "Enter number of rows: ");

fscanf (stdin, "%d", &rows);

fprintf(stdoutt, "the value of x is %f\n”, &x);

fprintf (stdout, "\n");

1. Write a C program that:

* initializes an integer variable, joe, to 27
* initializes a second integer variable, mary, to 1
* adds joe and mary together and places the result in a third variable called mike
* prints the result to standard output using this exact format:

nedc\_999\_[4]: myprog.exe <\* the name of the program

joe [27] + mary [1] = mike [28] <\* your output

Your code should work for any values that I initialize these variables to. For example, in the code you send me, I should be able to change the value joe is initialized to (27), and the value mary is initialized to (1), and your print statement should still print the correct information. In other words, don't hardcode the print statement.

Your output should look EXACTLY like the line above!

Submit your results as two attachments: (1) a plain text file named **p01.txt** that contains your answer to question no. 1, and (2) a C program with a filename of **p02.cc** that contains your solution to problem no. 2.