

Miami University
College of Engineering and Computing
Department of Computer Science and Software Engineering

CSE-278 Systems I Fall 2018

Homework 1

As usual, please read the “Guidelines” document on how to turn in this project. I cannot stress how important is this step: otherwise you will lose points even if your program runs correctly. At the same time, doing the homework correctly will help you do the others correctly as well.

Due date: Mon Sep 10, 2018 11:00 pm .

This homework will help you understand how to work on a command line environment, familiarize with the use of a simple editor, scripts, and control characters.

1. You will do a little program in *Java*, that will read a string, which is going to be compared to another string (representing a password). The program should not end, unless the correct password is entered, at which case there should be a brief message indicating success.

To observe:

- What do you do with the running program if you do not know the password?. Indicate this in the appropriate section of your cover
- Experimenting providing the input on a file using one of the Linux redirection metacharacters. Do you see how a hacker will try to break a password by brute force? This also explains the reasons for *timing out*.

Additional requirements and restrictions:

1. You may hardcode the password in the program
2. In your cover, you must indicate what the password is.

rev: September 3, 2018