

C/C++ Programming in a UNIX Environment, CS 3377, Assignment 05

1. [100] Create a bash shell script for a number guessing game. Here are the requirements:
 - a. Your program generates a random number between 0 and 128 and keeps asking the user to guess the number until the user guesses it correctly.
 - b. If the user guesses a number that is lower or higher than the number to be guessed then indicate that information to the user as a 'low guess' or a 'high guess' so that the user can get to the correct guess quicker.
 - c. The program keeps track on number of guesses taken by the user to get to the correct guess. This is user's score.
 - d. Your program asks user for the name and adds user's name and the score in a file that keeps track of the scores by various users.
 - e. At the end of the game, the program displays the top 3 scores (lowest 3 scores) along with the name of the users to conclude the game.

John 4
Sam 7
Tony 10

You will submit the following: the shell script that you develop and a short description of your experiential learning while working on this project. The second part should be about 5-10 sentences (less than 150 words) talking about what you learned and the process you used to create the game.

Script = 75 Points, Report = 25 Points