Software Engineering Tools Lab - SLB361
1st term - 2022
Quiz

Name:

Id:

Instructions

- The quiz session will start at 6:30 pm and the exam will start at 6:45 pm, insha2 Allah
- Your camera MUST be ON during quiz time. If you have a problem with your camera, use your mobile camera.
- There will be three rooms and the students are distributed over them as follow:
  S1, S2 in Room1
  S3, S4 in Room2
  S5, S6 in Room3
- There will be more than one version of the quiz. You will assign a version of the quiz randomly.
- You will deliver the quiz file back with your answer to the questions.
- You MUST write the commands you executed to solve each question in the quiz file.
- A student that will submit the quiz file without logging in to the remote server will get 0 in this quiz.
- Any Command that is not executed on the machine will not be counted.

- Your grades are based on both the commands you delivered and their effect on the machine.
- The server will be down after 1 hour from starting the quiz so make sure that all of your work is saved.
- You will take 5 minutes to submit the answer sheet.

- The Server Ip is: 3.239.23.28
- The account username and password have been sent to your email.

Questions

1. Create a variable with the name: **RemoteServer** and value is server **3.239.23.28.**

2. **Connect remotely** to the remote machine that has the IP in question No. 1. **Use** the account sent to your email and **Use** the variable you declared in question 1.

3. Print your current directory to a file named: **currentdir.txt** also to screen

4. Run the **./WebServer.sh** process in the foreground. The execution file of this process exist in your home directory

5. Describe the terminal current state

6. Stop the process ./**WebServer.sh** and then run it again in the background with a redirection to the output of this process to **log.txt**.

7. Track the status of the processes started from your terminal session and print the output to a file (My processes.txt)

8. Do unblockable kill to the ./WebServer.sh process

9. In your home directory create a directory named "Redhat Admin 1/Quiz 2" in one command then change your current location to this directory.

10. Append your current directory to the file "**currentdir.txt"** that you used above.

11. Print your user information (name and id) to the **currentdir.txt** with keeping its content.

12. Update "**currentdir.txt**" file permissions to be Owner: read & write - Group: read-only - Others: read-only.

13. Append all of the "**currentdir.txt**" information and permissions to a file named "**Perms.txt"**

14. Display the list of the current logged in users to screen and print output to file named as users.txt in one command

15. Logout from the server

16. Generate public and private keys (use your id as a password for the private key)

17. Run "ssh agent" software and add the generated key

18. Copy your public key to the server and then try to connect using the private key.

19. Print "Logged in with key" message to a file named as: **keylogin.txt** then exit server and submit.