

Sub.	Re-Sub

Assignment Brief Submission&Resub

LOs	LO3		
Grade " Sub"			
Grade"Resub"	P	Not Achieved " repeat unit"	
Student Name:			ID Number
Unit Number and Title:	ICT211	Linux Essentials	
Qualification	Higher National Diploma in Information and Communications Technology (ICT) (Y2).		
Academic Year:	2023/2024	Assessor Name:	Dr. Hatem Yousry
Assignment Title:	Class Work - Access Permissions and Management	Internal Verifier Name:	Dr. Osama Tharwat
Assignment No.	2	Issue Date:	19 /12 /2023
Submission Format: Type of Evidence	Document	Submission Date:	26 /12 /2023

STUDENT DECLARATION

Plagiarism

Plagiarism is a particular form of cheating. Plagiarism must be avoided at all costs and students who break the rules, however innocently, may be penalised. It is your responsibility to ensure that you understand correct referencing practices. As a university level student, you are expected to use appropriate references throughout and keep carefully detailed notes of all your sources of materials for material you have used in your work, including any material downloaded from the Internet. Please consult the relevant unit lecturer or your course tutor if you need any further advice.

Student Declaration

Student declaration

I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.

Also, I acknowledge that I have received the feedback about my work from the assessor.

Student signature:

Date: / /2023

FORMATIVE FEEDBACK

Assessor's Formative Feedback:

Confirm action completed:

Assessor Signature:

Date:

IV assessment brief approval

IV's signature:

Osama Tharwat

Date: /12/2023

Learning Outcomes and Assessment Criteria:

Learning Outcome	Pass	Merit	Distinction
LO3 Understand the directory commands and management of users and groups under Linux.	P10 Explore the directory tree of Linux operating Systems. P11 Use commands to manage files and directories. P12 Use commands to manage users and groups. P13 Carry out the access permissions of files and directories for users and groups.	M3 Analyse how users and groups information stored on Linux.	D3 Analyse users and groups access permissions and file ownership for a given application.

Scenario

- You are a Linux System root or administrator, who is responsible for managing users and groups in a ICT company system. In additions, system administrators often use commands to manage files and directories and give access permissions of files and directories for users and groups in the company to organize the work based on the company structure.
- As the role of the root or administrator, you have to manage company employee structure as the given list file:
 - cat > ICTcompany.txt
 - User type group Salary
 - Ahmed Joiner designer 30000
 - Mohamed Senior designer 35000
 - Nada TeamLeader designer 60000
 - Mona Joiner developer 10000
 - Hassan Senior developer 40000
 - Karim TeamLeader developer 70000
 - Ayman Joiner programmer 4000
 - Omnia Senior programmer 5000
 - Adam TeamLeader programmer 9000

Each user has an access permissions type as: **Joiner read, Senior read + execute, and director read+ write + execute**. Also, he has a one group (designer, developer, or programmer) and unique Salary.
- Based on that Scenario, Do the following tasks:

Task1: (In lab Task)

- As a **Root** use Ubuntu OS **terminal** to do the following:
 1. **Create** all the given users and **add** them to their groups.
 2. Use both **head** and **tail** **Commands** to show only **one user information** in your system.
 3. **Apply** all users access permissions on the file **ICTcompany.txt** .
 4. **Change Nada login** name to be **Salma** with the same **Salary**.
 5. **Remove Omnia** from **programmer** group.
 6. **Add Sarah** to **programmer** group as a **Senior** with **Salary 7000**.
 7. **Change Ayman** access permissions on the file **ICTcompany.txt** to be like **TeamLeader** access permissions and **login with Ayman** to change the **Adam Salary** to be **5000** is that works and why? (**Analyze the reasons based on access permissions and file ownership**).
- Use **/etc/passwd** and **/etc/group** files to show the stored information of users and groups in your operating system in each step.

Task 2: (Outdoor Task)

1. From your exploration of the directory tree in your Linux operating Systems. Sketch the directory tree and **mention the direct path of each directory**. Then, give the function of at least three system directories.
 2. Based on the given scenario, Use **ICTcompany.txt** do the following:
 - a. Use **AWK Command** with different options and arguments to print the output of some organized data in **three** different examples.
 - b. Use **Grep command** with different options and arguments to print the output of some organized data searched data in **three** different examples.
 - c. **Analyze** how the users and groups information stored on Linux based on the given **ICTcompany.txt** file.
 - d. **Analyze** users and groups' access permissions and file ownership for the given **ICTcompany.txt** file.
- **Print out all the inputs and output results.**

Sources of information

- Class handouts and learning materials.
- Individual research.
- Lab tutorials.
- <https://ubuntu.com/>

Higher Nationals - Summative Assignment Feedback Form

Student Name			Student ID	
Unit Title	Linux Essentials			
Assignment Number(x of y)	2	Assignment Title	Classwork	
<p>Assessor Summative Feedback: Feedback should be against the learning outcomes and assessment criteria to help students understand how these inform the process of judging the overall grade. *should be constructive and useful including:</p> <ul style="list-style-type: none"> - Feedback should give full guidance to the students on how they have met the learning outcomes and assessment criteria <p>a) Strengths of performance</p> <p>b) Limitations of performance</p> <p>c) Any improvements needed in future assessments</p>				
Assessor Signature:		Date: / /2023		
Re-submission Date	/ /2023	Actual Date Received	Re-submission	/ /2023
<p>Resubmission Feedback:</p> <p>*Please note resubmission feedback is focussed only on the resubmitted work</p>				
Assessor Signature:		Date: / /2023		
Internal Verifier's Comments:				
Signature:		Date: / /2022		

* Please note that grade decisions are provisional. They are only confirmed once internal and external moderation has taken place and grades decisions have been agreed at the assessment board.

Observation Sheet

Student Name:					
Unit Number and Title:				Linux Essentials	
Qualification		Higher National Diploma in Information and Communications Technology (ICT) (y2).			
Assignment No.	2	Assignment Title:	Class Work - Access Permissions and Management		

Description of the activity undertaken

- **P11** Use commands to manage files and directories.
- **P12** Use commands to manage users and groups.
- **P13** Carry out the access permissions of files and directories for users and groups.
- **M3** Analyze how users and groups information stored on Linux.
- **D3** Analyze users and group's access permissions and file ownership for a given application.
- Use the ICTcompany.txt file as described in Assignment (2).
- Use /etc/passwd and /etc/group files to show the stored information of users and groups in your operating system in each step.

Observation Checklist

The tutor will observe the student perform the following operation independently

Criteria Ref.	Task No.	Task Description	Tick if met
P11 P12 P13 M3 D3	1	Create all the given users and add them to their groups.	<input type="checkbox"/>
		Use both head and tail Commands to show only one user information in your system.	<input type="checkbox"/>
		Apply all users access permissions on the ICTcompany.txt file	<input type="checkbox"/>
		Change Nada login name to be Salma with the same Salary .	<input type="checkbox"/>
		Remove Omnia from programmer group.	<input type="checkbox"/>
		Add Sarah to programmer group as a Senior with Salary 7000 .	<input type="checkbox"/>
		Change Ayman access permissions on the file ICTcompany.txt to be like TeamLeader access permissions and login with Ayman to change the Adam Salary to be 5000 is that works and why? (Analyze the reasons based on access permissions and file ownership).	<input type="checkbox"/>

Observer Signature		Date	
--------------------	--	------	--