Add and Manage User in Linux

Project description

The organization I worked for employed a new employee and he needs to be added to the organization system. And when their tenure ends, they are to be removed.

Add a new user

The following code demonstrates how I used Linux commands to add a new employee with the username researcher9 to the researcher_team.

```
analyst@da8a4251494a:~$ sudo useradd researcher9
analyst@da8a4251494a:~$ sudo usermod -g research_team researcher9
analyst@da8a4251494a:~$ ▯
```

The first line of the screenshot displays the command I entered, and the other lines display the output. I used the sudo useradd researcher9 command to add researcher9 to the system, Then, I used usermod command with the -g option to add researcher9 to research_team.

Assign file ownership

The following code demonstrates how I used Linux commands to make researcher9 the ownership of project_r.txt file.

```
analyst@da8a4251494a:~$ cd /home/researcher2/projects
analyst@da8a4251494a:/home/researcher2/projects$ sudo chown researcher9 project_r.txt
analyst@da8a4251494a:/home/researcher2/projects$ ls -l
total 4
-rw-rw-r-- 1 researcher9 research_team 46 Jan 27 06:15 project_r.txt
analyst@da8a4251494a:/home/researcher2/projects$ ▯
```

The first line of the screenshot displays the command I entered, and the other lines display the output. I used the cd /home/researcher2/projects command to navigate to the projects directory. Then, I used the

sudo chown researcher9 project_r.txt command to change the ownership of the project_r.txt file , Then, I used ls -l command to check file permission details, the output indicated that the ownership of the is researcher9.

Add the user to a secondary group

The following code demonstrates how I used Linux commands to add user researcher9 to another group sales_team.

```
analyst@da8a4251494a:/home/researcher2/projects$ sudo usermod -aG sales_team researcher9
analyst@da8a4251494a:/home/researcher2/projects$ ls -l
total 4
-rw-rw-r-- 1 researcher9 research_team 46 Jan 27 06:15 project_r.txt
analyst@da8a4251494a:/home/researcher2/projects$ 
```

The first line of the screenshot displays the command I entered, and the other lines display the output. I used the usermod command with the -aG option to add researcher9 to a sales_team as a secondary group..

Delete a user

The following code demonstrates how I used Linux commands to remove an employee from the system.

```
analyst@6f9ad0f47206:~$ sudo userdel researcher9
userdel: group researcher9 not removed because it is not the primary group of user researcher9
.
analyst@6f9ad0f47206:~$ sudo groupdel researcher9
analyst@6f9ad0f47206:~$ 
```

The first line of the screenshot displays the command I entered, and the other lines display the output. I used the sudo userdel researcher9 command to remove researcher9 to the system. The output indicated that the operation was not successful because the user is the only member of that group. Then, I used the sudo groupdel researcher9 command to remove researcher9 and its group.