## **Activity: Users and Groups**

#### **COMMAND AND RESULTS**

### **Part 1: User Management**

- 1. Create a new user named student1. What command did you use?
  - sudo useradd student1
- 2. Set a password for student1. Provide the command.
  - sudo passwd student1
- 3. Modify student1's account to expire on December 31, 2025.
  - sudo chage -E 2025-12-31 student1
- 4. List all users in the system. What file stores user account details?
  - cat /etc/passwd

### Part 2: Group Management

- 5. Create a new group called developers.
  - sudo groupadd developers
- 6. Add student1 to the developers group.
  - sudo usermod -aG developers student1
- 7. Verify that student1 is now part of developers.
  - groups student1
- 8. Change the primary group of student1 to developers.
  - sudo usermod -g developers student1

# Part 3: File Permissions & Sudo Access

- 9. As the root user, create a directory /project. Change its group ownership to developers and set permissions so that only members of developers can modify files inside it.
  - sudo mkdir /project
  - sudo chown :developers /project
  - sudo chmod 770 /project
- 10. Grant student1 sudo privileges. What file needs to be modified, and how do you safely edit it?
  - sudo visudo
  - student1 ALL=(ALL) ALL
- 11. Switch to student1 and execute a command using sudo. What happens if student1 is not in the sudoers file?
  - su student1
    - "su: warning: cannot change directory to /home/student1: No such file or directory"

### **SCREENSHOT**



