# Lab 1: Introduction to sudo

**Objective:** Understand how sudo works and gain basic experience using it.

#### Outcome: You will have learned how to check if sudo is installed, verify sudo access, and run commands with sudo.

#### 

# Lab 2: Configuring Sudo Access

#### Objective: Learn how to configure sudo access for specific users by editing the sudoers file.

#### Outcome: You will be able to grant and manage sudo access for specific users and groups.

#### 

#### 

# Lab 3: Understanding and Configuring Sudo Permissions

#### Objective: Understand how to control specific sudo permissions (what commands a user can run with sudo.

#### Outcome: You will learn how to restrict and customize sudo permissions to enhance security.

#### 

#### 

#### 

#### Users of group lanka only allow visudo command to run with sudo only.no other command can be run through sudo from below screenshot

#### 

#### 

# **Lab 4: Sudo Logs and Auditing**

#### Objective: Learn how to view and manage sudo logs to track user activity

#### Outcome: You will have learned how to track and audit sudo usage, which is crucial for security and accountability.

#### 

#### 

#### 

#### 

#### 

#### 

# Lab 5: Sudo Timeout and Tuning

#### Objective: Learn how to configure the sudo session timeout to improve security.

#### Outcome: You will learn how to adjust the timeout settings for sudo, which is important for managing the security of long-running sessions.

#### 

#### 

#### 

#### 

#### 

# Lab 6: Troubleshooting Sudo Issues

#### Objective: Learn how to troubleshoot common sudo access issues .

#### Outcome: You will gain skills in diagnosing and fixing common sudo configuration problems.

#### 