Linux Lab Assignment - L2

Objective: As a Linux root user, create files/directories and change the ownership to a new user in the same instance.

# Step 1: Create a New User

Command:  
 adduser devuser  
  
 - This command creates a new user named 'devuser'.  
 - The system will prompt for a password and other optional user information.

# Step 2: Create Files and Directories

Commands:  
 mkdir -p /opt/labdir  
 touch /opt/labdir/file1.txt  
 touch /opt/labdir/file2.txt  
  
 - 'mkdir -p' creates the directory including parent folders if they do not exist.  
 - 'touch' creates empty files inside the directory.

# Step 3: Check Ownership

Command:  
 ls -l /opt/labdir  
  
 - Lists files with detailed information including current owner and group.

# Step 4: Change Ownership to New User

Commands:  
 chown devuser:devuser /opt/labdir/file1.txt  
 chown devuser:devuser /opt/labdir/file2.txt  
  
Or to apply recursively to the directory and all contents:  
  
 chown -R devuser:devuser /opt/labdir  
  
  
 - 'chown' changes the file owner and group.  
 - '-R' applies the change to all files and directories inside.

# Step 5: Verify Ownership

Command:  
 ls -l /opt/labdir  
  
Expected Output:  
 - You should now see 'devuser devuser' as owner and group for all files.