**Lab Tasks:**

**Q1:**

pgrep OSLab(This command returns the PID(s) of any process with the name OSLab)

kill 1234(After obtaining the PID, you can terminate the process with the kill command)

kill -9 1234

**Q2:**

A signal trap in a script allows you to handle specific signals (such as interrupts or termination signals) in a custom way before the process is terminated. This is particularly useful for performing clean-up tasks, gracefully handling interruptions, or customizing how the script should behave when it receives a signal.

#!/bin/bash

# Define a function to handle signals

handle\_signal() {

echo "Signal caught, performing cleanup..."

# Add any cleanup or exit steps here

exit 0

}

# Set up a trap to catch SIGINT (Ctrl+C) and SIGTERM

trap handle\_signal SIGINT SIGTERM

# Main script loop

while true; do

echo "Running... Press Ctrl+C to stop."

sleep 1

done