

Practical 4 :

Adam is working in an IT company. He has been given a task to reduce the load of a system by killing some of the processes running in the LINUX operating system. Which commands will he use to complete the given task with the help of the following operation?

- Kill processes by name
- Kill a process based on the process name
- Kill a single process at a time with the given process ID

```
M ~
user@SRUSHTI MSYS ~
$ sleep 800 & sleep 500 &
[6] 945
[7] 946

user@SRUSHTI MSYS ~
$ ps -ef | grep sleep
  user    941    920 pty0      20:18:41 sleep 500
  user    942    920 pty0      20:18:50 sleep 800
  user    943    920 pty0      20:18:50 sleep 500
  user    940    920 pty0      20:18:41 sleep 800
  user    945    920 pty0      20:19:33 sleep 800
  user    948    920 pty0      20:19:44 grep sleep
  user    938    920 pty0      20:13:21 sleep 300
  user    946    920 pty0      20:19:33 sleep 500

user@SRUSHTI MSYS ~
$ kill 945

user@SRUSHTI MSYS ~
$ ps -ef | grep sleep
  user    941    920 pty0      20:18:41 sleep 500
  user    942    920 pty0      20:18:50 sleep 800
  user    943    920 pty0      20:18:50 sleep 500
  user    940    920 pty0      20:18:41 sleep 800
  user    938    920 pty0      20:13:21 sleep 300
  user    946    920 pty0      20:19:33 sleep 500
[6]  Terminated                 sleep 800

user@SRUSHTI MSYS ~
$ |
```

```
M ~
user@SRUSHTI MSYS ~
$ sleep 900 &
[6] 956

user@SRUSHTI MSYS ~
$ 

user@SRUSHTI MSYS ~
$ kill 956
[3]  Done                  sleep 500
[5]  Done                  sleep 500

user@SRUSHTI MSYS ~
$ |
```

```
user@SRUSHTI MSYS ~
$ sleep 600 &
[6] 960

user@SRUSHTI MSYS ~
$ kill 960

user@SRUSHTI MSYS ~
$ ps
  PID  PPID  PGID   WINPID   TTY      UID      STIME COMMAND
 942    920    942    21228  pty0    197609  20:18:50 /usr/bin/sleep
 940    920    940    16156  pty0    197609  20:18:41 /usr/bin/sleep
 920    919    920    16360  pty0    197609  20:13:13 /usr/bin/bash
 919     1    919    21112    ?    197609  20:13:13 /usr/bin/mintty
 961    920    961    8728  pty0    197609  20:31:14 /usr/bin/ps
 959    920    959   13460  pty0    197609  20:30:34 /usr/bin/sleep
S  938    920    938   16048  pty0    197609  20:13:21 /usr/bin/sleep
[6]-  Terminated                  sleep 600

user@SRUSHTI MSYS ~
$ |
```