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Course: Operating System

Section: Bsse(5-1)

LABTASK-12

COMMANDS 1: KILL -L

```
Hamza@Ubuntu:~$ kill -l
 1) SIGHUP        2) SIGINT        3) SIGQUIT       4) SIGILL        5) SIGTRAP
 6) SIGABRT       7) SIGBUS        8) SIGFPE        9) SIGKILL      10) SIGUSR1
11) SIGSEGV      12) SIGUSR2      13) SIGPIPE      14) SIGALRM      15) SIGTERM
16) SIGSTKFLT    17) SIGCHLD      18) SIGCONT      19) SIGSTOP      20) SIGTSTP
21) SIGTTIN      22) SIGTTOU      23) SIGURG       24) SIGXCPU      25) SIGXFSZ
26) SIGVTALRM    27) SIGPROF      28) SIGWINCH     29) SIGIO        30) SIGPWR
31) SIGSYS       34) SIGRTMIN     35) SIGRTMIN+1   36) SIGRTMIN+2   37) SIGRTMIN+3
38) SIGRTMIN+4   39) SIGRTMIN+5   40) SIGRTMIN+6   41) SIGRTMIN+7   42) SIGRTMIN+8
43) SIGRTMIN+9   44) SIGRTMIN+10  45) SIGRTMIN+11  46) SIGRTMIN+12  47) SIGRTMIN+13
48) SIGRTMIN+14  49) SIGRTMIN+15  50) SIGRTMAX-14  51) SIGRTMAX-13  52) SIGRTMAX-12
53) SIGRTMAX-11  54) SIGRTMAX-10  55) SIGRTMAX-9   56) SIGRTMAX-8   57) SIGRTMAX-7
58) SIGRTMAX-6   59) SIGRTMAX-5   60) SIGRTMAX-4   61) SIGRTMAX-3   62) SIGRTMAX-2
63) SIGRTMAX-1   64) SIGRTMAX
Hamza@Ubuntu:~$
```

LAB TASK 1:

```
Hamza@Ubuntu:~$ touch labtask12.sh
Hamza@Ubuntu:~$ cat>labtask12.sh
#1/bib/sh
trap "echo --- Trapped is called. This is user Defined Handler " 2 3
for ((i=1; i<=20; i++))
do
    echo Tapped Test.......
    sleep
done
trap 2 3
```

OUTPUT:

```
Hamza@Ubuntu:~$ chmod u+x labtask12.sh
Hamza@Ubuntu:~$ ./labtask12.sh
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
```

```
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Tapped Test.......
sleep: missing operand
Try 'sleep --help' for more information.
Hamza@Ubuntu:~$
```

LAB TASK2:

```
Hamza@Ubuntu:~$ touch task2.c
Hamza@Ubuntu:~$ cat>task2.c
#include <signal.h>
#include <stdio.h>
#include <unistd.h>
void catcher  (int sigtype)
{
       printf("-----I GOT THE SIGNAL \n ");
       signal(SIGINT ,catcher);
}
int main (void)
{
    int i;
    signal (SIGINT, catcher);
    for(int i=0; i<20; i++)
{
printf("WORKING.....\n");
sleep(1);
}
}
Hamza@Ubuntu:~$ gcc task2.c -o task2
Hamza@Ubuntu:~$ ./task2
```

OUTPUT:

```
Hamza@Ubuntu:~$ gcc task2.c -o task2
Hamza@Ubuntu:~$ ./task2
WORKING.....
WORKING.....
WORKING.....
WORKING.....
WORKING.....
WORKING.....
WORKING.....
^C-----I GOT THE SIGNAL
 WORKING.....
WORKING.....
WORKING.....
WORKING.....
WORKING.....
WORKING.....
WORKING.....
^C-----I GOT THE SIGNAL
 WORKING.....
^C-----I GOT THE SIGNAL
 WORKING.....
```

```
WORKING.....
WORKING.....
WORKING.....
^C-----I GOT THE SIGNAL
 WORKING.....
^C-----I GOT THE SIGNAL
 WORKING.....
^C-----I GOT THE SIGNAL
 WORKING.....
^C-----I GOT THE SIGNAL
 WORKING.....
^C-----I GOT THE SIGNAL
 WORKING.....
^C-----I GOT THE SIGNAL
 Hamza@Ubuntu:~$ ^C
Hamza@Ubuntu:~$ ^C
Hamza@Ubuntu:~$ ^C
Hamza@Ubuntu:~$ ^C
Hamza@Ubuntu:~$
```

LAB TASK3:

```
Hamza@Ubuntu:~$ touch task4.c
Hamza@Ubuntu:~$ cat>task4.c
#include <signal.h>
#include <stdio.h>
#include <unistd.h>

int main(void)
{
    signal(SIGINT, SIG_IGN);
    while (1)
        printf("You can't kill me with SIGINT anymore!\n");
    return 0;
}
```

OUTPUT:

```
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
You can't kill me with SIGINT anymore!
```