

Task 1

```
#include <stdio.h>
#include <signal.h>
#include <unistd.h>
void sig_handler(int signo)
{
    if (signo == SIGUSR1)
        printf("received SIGUSR1\n");
    else if (signo == SIGKILL)
        printf("received SIGKILL\n");
    else if (signo == SIGSTOP)
        printf("received SIGSTOP\n");
}
int main(void)
{
    if (signal(SIGUSR1, sig_handler) == SIG_ERR)
        printf("\ncan't catch SIGUSR1\n");
    if (signal(SIGKILL, sig_handler) == SIG_ERR)
        printf("\ncan't catch SIGKILL\n");
    if (signal(SIGSTOP, sig_handler) == SIG_ERR)
        printf("\ncan't catch SIGSTOP\n");
    // A long long wait so that we can easily issue a signal to this
process
    while (1)
        sleep(1);
    return 0;
}
```

```
ammansoomro@Amman-PC:~/Visual_Studio$ ./task1
can't catch SIGKILL
can't catch SIGSTOP
```

The code is catching exceptions without any signals passed.

I don't know if that is an intended or unintended mistake, I would really request for you to explain it in the next lab and kindly extend this tab a little bit further.

Task 2

According to “man signal” SIGKILL and SIGSTOP cannot be ignored.

