

Q2

Write C program protected from termination and handle the termination signal by a handler which prints a message on screen says "Sorry, you cannot use Control-C keys".

Code

```
emad@vbox: ~/Desktop/emad1007395/assignment5/Q2
GNU nano 2.5.3      File: q2.c

#include <stdio.h>
#include <unistd.h>
#include <signal.h>
void terminationHandler();

int main(){
    signal(SIGINT, terminationHandler);
    printf("\nProtected process in progress ....\n");
    for(int i = 0; i < 10; i++) {
        sleep(1);
    }
    printf("The process has done its job and will terminate now.\n\n");
}

void terminationHandler(){
    printf (" [ Sorry, you cannot use Ctrl+C keys ]\n");
}

^G Get Help      ^O Write Out     ^W Where Is      ^K Cut Text      ^J Justify
^X Exit          ^R Read File     ^\ Replace       ^U Uncut Text    ^T To Spell
```

Screenshot

```
emad@vbox: ~/Desktop/emad1007395/assignment5/Q2
emad@vbox:~/Desktop/emad1007395/assignment5/Q2$ gcc q2.c
emad@vbox:~/Desktop/emad1007395/assignment5/Q2$ ./a.out

Protected process in progress ....
^C [ Sorry, you cannot use Ctrl+C keys ]
^C [ Sorry, you cannot use Ctrl+C keys ]
^C [ Sorry, you cannot use Ctrl+C keys ]
The process has done its job and will terminate now.

emad@vbox:~/Desktop/emad1007395/assignment5/Q2$
```