CS232 Operating Systems
Assignment 02: Introduction to System Calls

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1 Question No. 1

```
#include <stdlib.h>
#include <stdio.h>

int main(int argc, char const *argv[])
{
        //Insert Code Here
        printf("Hello World\n");
        return 0;
}
```

2   Question No. 2

```
/**
Requirements :
        1. Cool prompt to prompt the user for input
        2.

**/



#include <stdlib.h>
#include <stdio.h>
#include <string.h>

int main(int argc, char const *argv[])
{

        printf("\033c"); //Clear the terminal window

        printf("Greetings␣Master\n");
        // printf("Hey! Welcome to HUSh.\n"); // Welcome command
        char inps_by_user[100] = ""; //Contains user input

        const char prompt[] = "Master@HUSh:␣Your␣wish␣is␣my␣command$␣"; //The co

        //main Loop: run as long as not asked to exit

        while (!(strncmp("exit", inps_by_user, 4) == 0))
        {
                printf("%s", prompt);
                scanf("%s", inps_by_user);

                //Whaetevr you intend to do with the input


                //Exit Protocol
                if (strncmp("exit", inps_by_user, 4) == 0)
                {
                        printf("So␣be␣it,␣Master.␣I␣will␣wait␣for␣your␣return.\n'
                }
                else
                {
                        printf("\nYou␣said:␣%s␣\n\n", inps_by_user);
                }

        }
        return 0;

}
```

3   Comments

loved it! A bit tough given the current course load but loved it all the same!

4 Appendix A: Makefile

```
compileall: mycat hush

mycat: Lec1_gp05_A2Q1_mycat.o
        clang Lec1_gp05_A2Q1_mycat.o -o mycat

hush: Lec1_gp05_A2Q2_Hush.o
        clang Lec1_gp05_A2Q2_Hush.o -o hush

Lec1_gp05_A2Q2_Hush.o: Lec1_gp05_A2Q2_Hush.c
        clang -c Lec1_gp05_A2Q2_Hush.c

Lec1_gp05_A2Q1_mycat.o: Lec1_gp05_A2Q1_mycat.c
        clang -c Lec1_gp05_A2Q1_mycat.c

wrap:
        tar -zcvf Lec1_gp05_A2.tar.gz ./Makefile ./*.c ./*.pdf

clean:
        rm *.o mycat hush
```