

# BCSL-021 C Language Programming Solved Assignment

**Q1. Write an interactive C program which prompts the user with the following options on the opening menu:**

- 1) General Information of the Learner Support Centre(LSC)
- 2) Programmes activated in the study center
- 3) Scheduling of theory/practical sessions for BCA-MCA programmes
- 4) Academic Councillor's Details
- 5) Schedules for Assignment submissions for various programmes
- 6) Quit

Enter your choice:

If an "1" is entered, prompt the user to enter the study center code and know the general details about the study like name of the learner support center(LSC), name of the regional center, name of the study center coordinator, programme in-charge details etc. If "2" is entered, it should give the details of all the programmes that are activated in the LSC. If "3" is entered, it should give the schedules for the theory and practical counseling sessions for BCA and MCA programmes for the current session. If "4" is entered it should display the details of the academic counselors' associated with respective programmes. If "5" is entered it should display the assignment submission schedules for various programmes for the current session activated in that LSC. If the user enters any letters or numbers other than the choice, redisplay the prompt. All output should go to the terminal and all input should come from the keyboard.

**Solu.**

For better readability refer my GitHub repository : [BCSL 021 Assignment Solution](#)

**Instructions :**

**Learner Support Desk**

**Clone the repo using below command**

...

```
git clone git@github.com:Sahil-4/BCSL021-assginment-solution.git
```

...

**Run below command(s) to compile and run the program**

...

```
gcc dataset.c utils.c main.c -o main  
./main
```

...

or

...

```
gcc dataset.c utils.c main.c -o main; ./main;
```

...

**Note : Make sure you have gcc compiler installed in your system and you are running the command(s) in the directory where main.c dataset.c utils.h and utils.c are present**

**You can get all the files from my [GitHub Repository](#).**

### **Problem Statement :**

Write an interactive C program which prompts the user with the following options on the opening menu:

1. General Information of the Learner Support Centre(LSC)
2. Programmes activated in the study center
3. Scheduling of theory/practical sessions for BCA-MCA programmes
4. Academic Councillor's Details
5. Schedules for Assignment submissions for various programmes
6. Quit

Enter your choice:

If an "1" is entered, prompt the user to enter the study center code and know the general details about the study like name of the learner support center(LSC), name of the regional center, name of the study center coordinator, programme in-charge details etc.

If “2” is entered, it should give the details of all the programmes that are activated in the LSC.

If “3” is entered, it should give the schedules for the theory and practical counseling sessions for BCA and MCA programmes for the current session.

If “4” is entered it should display the details of the academic counselors' associated with respective programmes.

If “5” is entered it should display the assignment submission schedules for various programmes for the current session activated in that LSC.

If the user enters any letters or numbers other than the choice, redisplay the prompt.

All output should go to the terminal and all input should come from the keyboard.

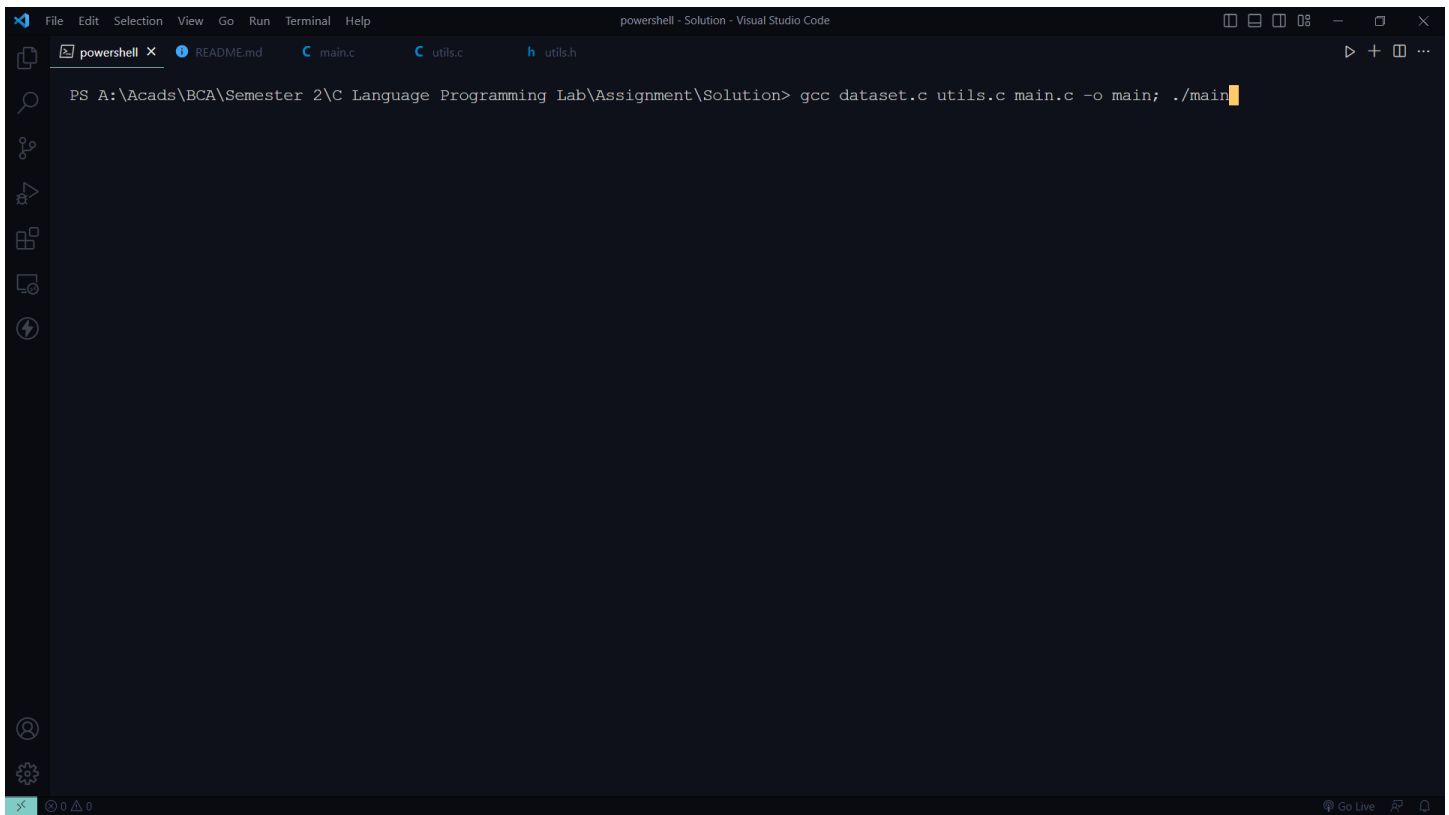
### **Solution Logic :**

I have divided the logic mainly into three segments :

1. dataset.c - Here i have added the data related to LSCs, Counseling Schedule, Course Coordinator and Assignment Submission dates
2. utils.c - Utility file is the file where I have defined the operation which I'm using in the main file like displayGeneralInfo, displayActivatedPrograms etc. For this I have also used a header file [Utility Header File](./utils.h) in same file I have define structures also for holding data (which is defined in [dataset](./dataset.c))
3. main.c - Then out main file comes this is the entry point of our program the flow of program will start from here
4. Through main.c I have provided the main menu and asked users to input any option. This option I'm handing using a switch case statement. If the user presses 1 Case 1 will get executed and the displayGeneralInfo() function declared in utils.h and defined in utils.c will get executed.

### **Screenshots of Runtime :**

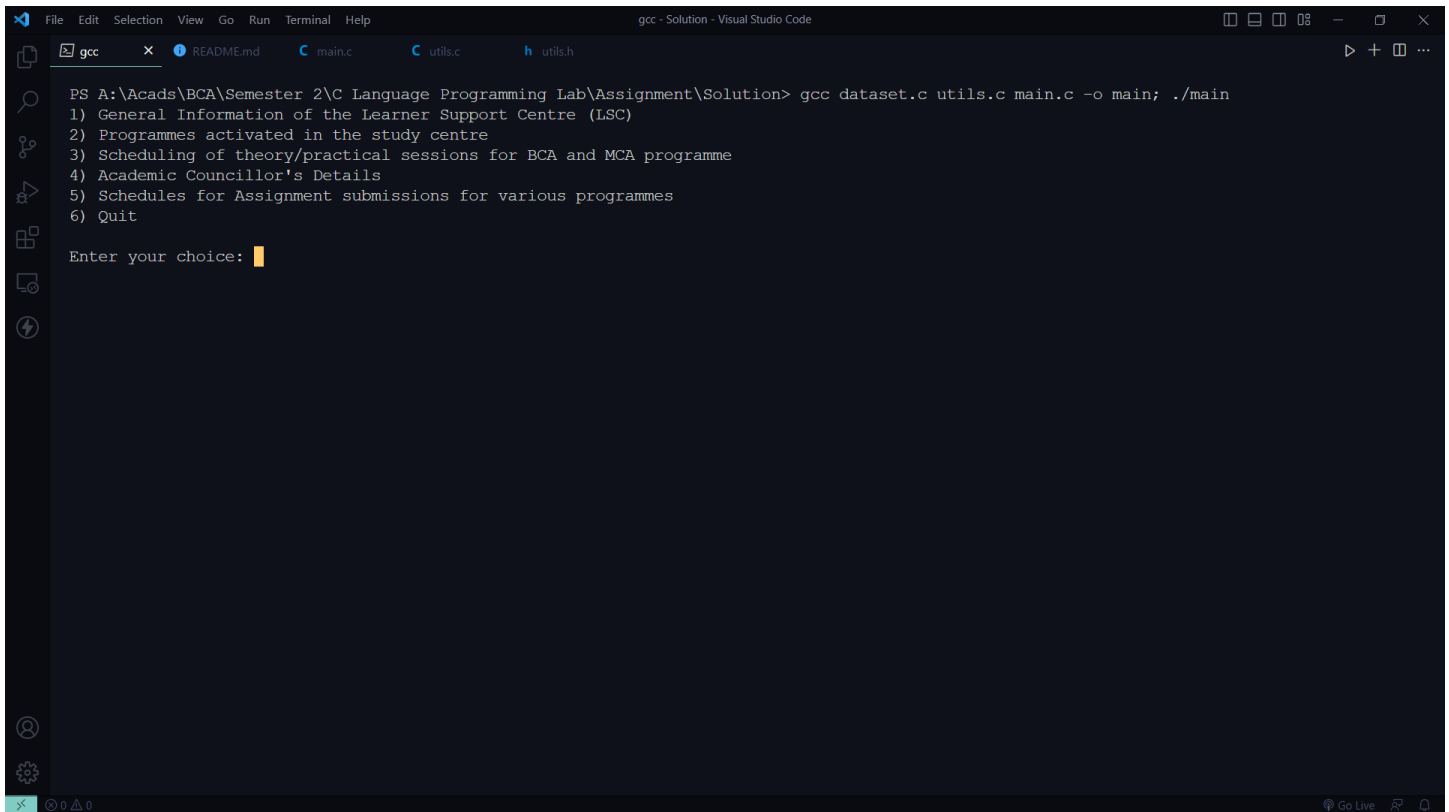
## Running the start command to compile and execute program



A screenshot of the Visual Studio Code interface with a PowerShell terminal window open. The terminal shows the command to compile and run a C program. The file explorer on the left shows the project structure with files README.md, main.c, utils.c, and utils.h.

```
PS A:\Acads\BCA\Semester 2\C Language Programming Lab\Assignment\Solution> gcc dataset.c utils.c main.c -o main; ./main
```

## Main menu/interface of program



A screenshot of the Visual Studio Code interface with a GCC terminal window open. The terminal shows the output of the program, which displays a main menu with six options. The prompt 'Enter your choice:' is visible, indicating the program is waiting for user input. The file explorer on the left shows the project structure with files README.md, main.c, utils.c, and utils.h.

```
PS A:\Acads\BCA\Semester 2\C Language Programming Lab\Assignment\Solution> gcc dataset.c utils.c main.c -o main; ./main
1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice:
```

Selected 1 To get LSCs details (Then we have been asked LSC Code or press \\* to get details of all LSCs)

```
gcc - Solution - Visual Studio Code
gcc x README.md C main.c C utils.c h utilsh

PS A:\Acads\BCA\Semester 2\C Language Programming Lab\Assignment\Solution> gcc dataset.c utils.c main.c -o main; ./main
1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 1
Enter LSC Code
You can press * to see all LSCs information
█
```

Entered LSC Code 1041 and got the details of this LSC

```
gcc - Solution - Visual Studio Code
gcc x README.md C main.c C utils.c h utilsh

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 1
Enter LSC Code
You can press * to see all LSCs information
1041
=====
Id : 7
LSC Code : 1041
LSC Name : Yasin Meo Degree College
LSC Address : Nuh, District Feroz Mewat, Haryana 122107
Email : aijazahmadnuh@gmail.com
Phone : 01267-271236
Coordinator Name : Dr. M. Imtiaz Khan
Timing : 10:00 am to 5:00 pm Sunday
Total Academic Staff : 23
Total Non-Academic Staff : 0
Status : Active
Programme(s) Activated in this LSC :
BA, BAG, BCOM, BCOMG, PGDRD, DAFE, CUL, MPS
=====

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: █
```

Again we have provided the main menu and being asked to choose from I selected 2 and entered LSC Code 38046 after this i got the programmes activated in this LSC

```
gcc - Solution - Visual Studio Code
File Edit Selection View Go Run Terminal Help
gcc x README.md main.c utils.c h utils.h

Id : 7
LSC Code : 1041
LSC Name : Yasin Meo Degree College
LSC Address : Nuh, District IÇò Mewat, Haryana 122107
Email : aijazahmadnuh@gmail.com
Phone : 01267-271236
Coordinator Name : Dr. M. Imtiaz Khan
Timing : 10:00 am to 5:00 pm Sunday
Total Academic Staff : 23
Total Non-Academic Staff : 0
Status : Active
Programme(s) Activated in this LSC :
BA, BAG, BCOM, BCOMG, PGDRD, DAFE, CUL, MPS
=====

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 2
Enter LSC Code : 38046
Programme(s) available at Rajdhani College :
BAG, BAHIH, BSC, BCA, MCA, PGDIS, MAH, MSK, MAJY

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: █
```

After this I choose 3 in main menu to get details of Theory/Practical Schedule

```
gcc - Solution - Visual Studio Code
File Edit Selection View Go Run Terminal Help
gcc x README.md main.c utils.c h utils.h

Enter your choice: 3
Councelling schedule for BCA and MCA of RC Delhi 3
=====

Programme : BCA
Semester : 1
Course Code : Subject A

Session Timing and Venue :
Session Timing : Nov 4, 2023 at 9:00 AM
Counsellor : Alpha
Venue : ABC College F2 R16

Session Timing : Nov 5, 2023 at 9:00 AM
Counsellor : Alpha
Venue : ABC College F2 R16

Session Timing : Nov 11, 2023 at 9:00 AM
Counsellor : Alpha
Venue : ABC College F2 R16

Session Timing : Nov 12, 2023 at 9:00 AM
Counsellor : Alpha
Venue : ABC College F2 R16

Session Timing : Nov 18, 2023 at 9:00 AM
Counsellor : Alpha
Venue : ABC College F2 R16

Session Timing : Nov 19, 2023 at 9:00 AM
Counsellor : Alpha
Venue : ABC College F2 R16

=====
=====
```

```
File Edit Selection View Go Run Terminal Help gcc - Solution - Visual Studio Code
gcc x README.md main.c utils.c h utils.h

Session Timing : Nov 19, 2023 at 9:00 AM
Counsellor : Alpha
Venue : ABC College F2 R16

=====

Programme : BCA
Semester : 1
Course Code : Subject B

Session Timing and Venue :
Session Timing : Nov 4, 2023 at 11:00 AM
Counsellor : Beta
Venue : ABC College F2 R16

Session Timing : Nov 5, 2023 at 11:00 AM
Counsellor : Beta
Venue : ABC College F2 R16

Session Timing : Nov 11, 2023 at 11:00 AM Nov 12, 2023 at 11:00 AM Nov 18, 2023 at 11:00 AM Nov 19, 2023 at 11:00 AM
Counsellor : Beta
Venue : ABC College F2 R16

Session Timing : Nov 12, 2023 at 11:00 AM Nov 18, 2023 at 11:00 AM Nov 19, 2023 at 11:00 AM
Counsellor : Beta
Venue : ABC College F2 R16

Session Timing : Nov 18, 2023 at 11:00 AM Nov 19, 2023 at 11:00 AM
Counsellor : Beta
Venue : ABC College F2 R16

Session Timing : Nov 19, 2023 at 11:00 AM
Counsellor : Beta
```

```
File Edit Selection View Go Run Terminal Help gcc - Solution - Visual Studio Code
gcc x README.md main.c utils.c h utils.h

Session Timing : Nov 4, 2023 at 1:00 AM
Counsellor : Pi
Venue : ABC College F3 R12

Session Timing : Nov 5, 2023 at 1:00 AM
Counsellor : Pi
Venue : ABC College F3 R12

Session Timing : Nov 11, 2023 at 1:00 AM
Counsellor : Pi
Venue : ABC College F3 R12

Session Timing : Nov 12, 2023 at 1:00 AM
Counsellor : Pi
Venue : ABC College F3 R12

Session Timing : Nov 18, 2023 at 1:00 AM
Counsellor : Pi
Venue : ABC College F3 R12

Session Timing : Nov 19, 2023 at 1:00 AM
Counsellor : Pi
Venue : ABC College F3 R12

=====

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
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4) Academic Counsellor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 
```

Then I returned to the main menu and choose 4 for getting details of councilors

```
File Edit Selection View Go Run Terminal Help gcc - Solution - Visual Studio Code
gcc x README.md main.c utils.c h utils.h
1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 4

=====
Councillor Name : Alpha
Programme : BCA
Contace : 9876543210
=====

Councillor Name : Beta
Programme : MCA
Contace : 9876543211
=====

Councillor Name : Gamma
Programme : B. Tech
Contace : 9876543222
=====

Councillor Name : Delta
Programme : M. Tech
Contace : 9876543333
=====

Councillor Name : Epsilon
Programme : BBA
=====
```

```
File Edit Selection View Go Run Terminal Help gcc - Solution - Visual Studio Code
gcc x README.md main.c utils.c h utils.h

Councillor Name : Gamma
Programme : B. Tech
Contace : 9876543222
=====

Councillor Name : Delta
Programme : M. Tech
Contace : 9876543333
=====

Councillor Name : Epsilon
Programme : BBA
Contace : 9876544444
=====

Councillor Name : Iota
Programme : MBA
Contace : 9876555555
=====

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 
```



Next from main menu I choose 5 to get details of assignment submission schedule

```
File Edit Selection View Go Run Terminal Help gcc - Solution - Visual Studio Code
gcc x README.md main.c util.c util.h
1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 5

=====
Programme Name : BCA
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/BCA/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

Programme Name : MCA
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/MCA/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

Programme Name : B. Tech
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/BTech/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

Programme Name : M. Tech
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/MTech/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====
```

```
File Edit Selection View Go Run Terminal Help gcc - Solution - Visual Studio Code
gcc x README.md main.c util.c util.h

Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/BTech/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

Programme Name : M. Tech
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/MTech/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

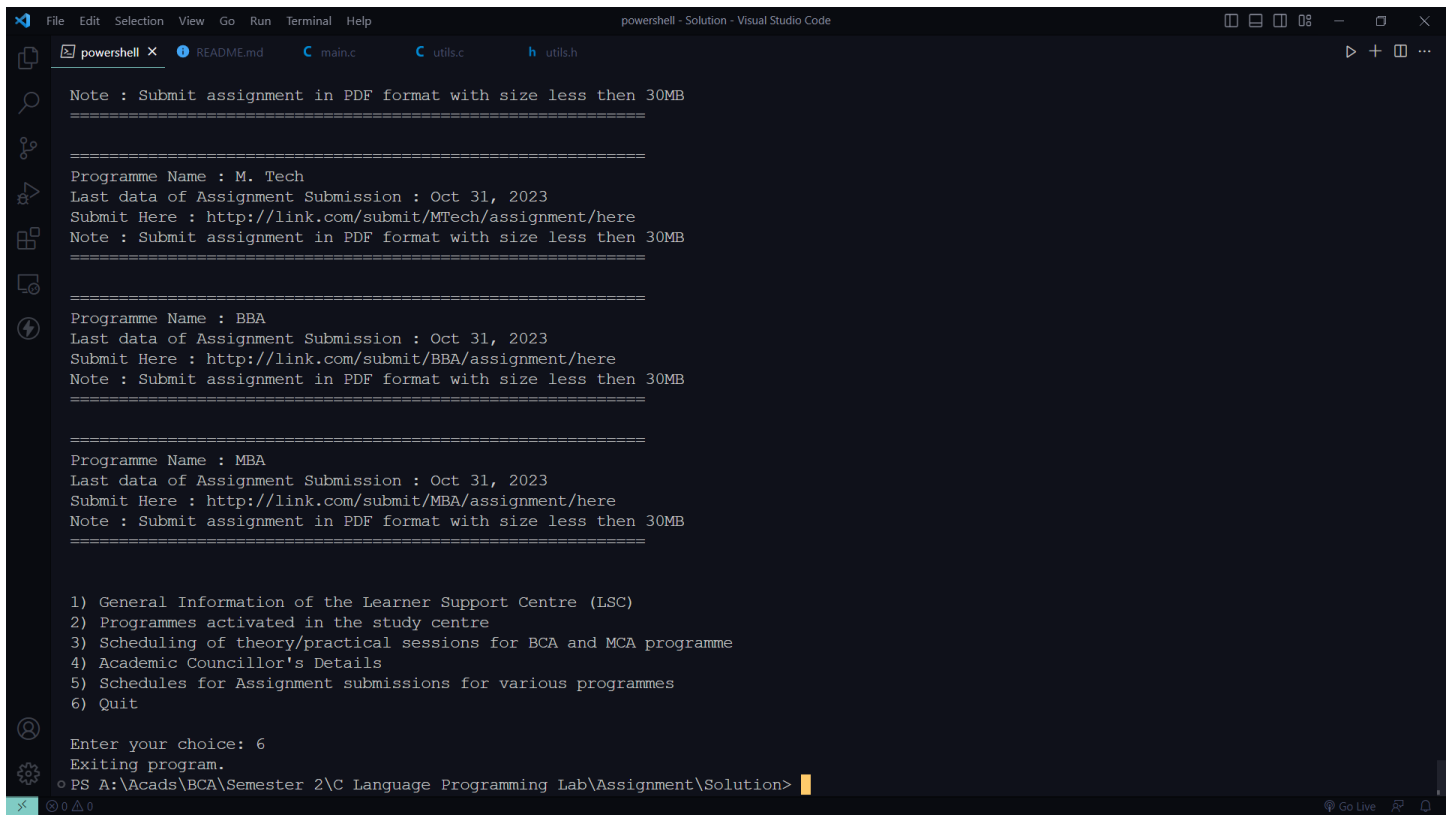
Programme Name : BBA
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/BBA/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

Programme Name : MBA
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/MBA/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: █
```

Here I'm pressing 6 to exit from the program



```
File Edit Selection View Go Run Terminal Help powershell - Solution - Visual Studio Code
powershell x README.md main.c utils.c h utils.h

Note : Submit assignment in PDF format with size less then 30MB
=====

Programme Name : M. Tech
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/MTech/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

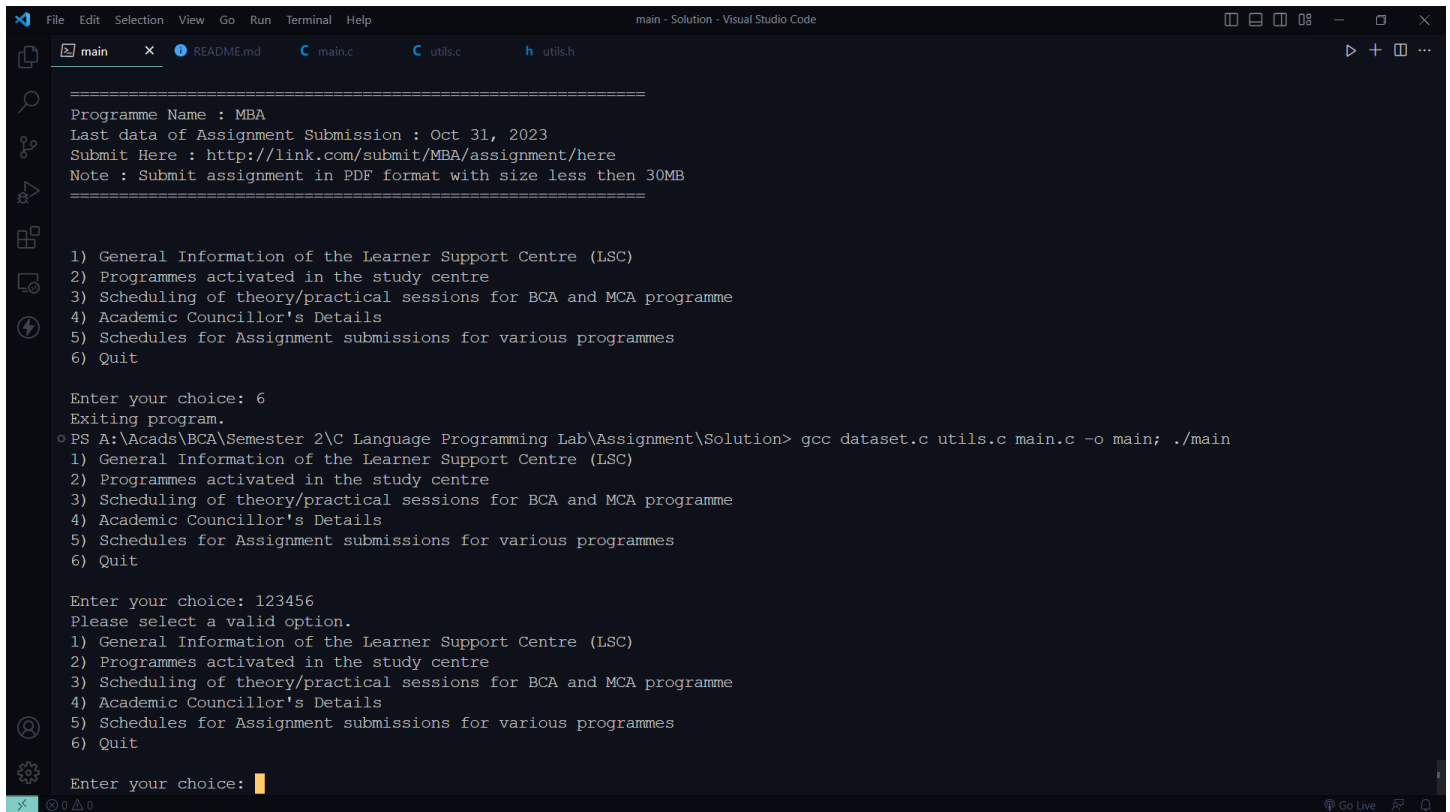
Programme Name : BBA
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/BBA/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

Programme Name : MBA
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/MBA/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 6
Exiting program.
PS A:\Acads\BCA\Semester 2\C Language Programming Lab\Assignment\Solution>
```

This is when I gave wrong input



```
File Edit Selection View Go Run Terminal Help main - Solution - Visual Studio Code
main x README.md main.c utils.c h utils.h

Programme Name : MBA
Last data of Assignment Submission : Oct 31, 2023
Submit Here : http://link.com/submit/MBA/assignment/here
Note : Submit assignment in PDF format with size less then 30MB
=====

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 6
Exiting program.
PS A:\Acads\BCA\Semester 2\C Language Programming Lab\Assignment\Solution> gcc dataset.c utils.c main.c -o main; ./main

1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice: 123456
Please select a valid option.
1) General Information of the Learner Support Centre (LSC)
2) Programmes activated in the study centre
3) Scheduling of theory/practical sessions for BCA and MCA programme
4) Academic Councillor's Details
5) Schedules for Assignment submissions for various programmes
6) Quit

Enter your choice:
```

## Code :

```
`main.c`
```

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

```
#include "utils.h"
```

```
// To compile and run : gcc dataset.c utils.c main.c -o main; ./main;
```

```
/* Print the main menu */
```

```
void print_menu() {
```

```
    printf("1) General Information of the Learner Support Centre (LSC)\n2)
```

```
Programmes activated in the study centre\n3) Scheduling of theory/practical
```

```
sessions for BCA and MCA programme\n4) Academic Councillor's Details\n5)
```

```
Schedules for Assignment submissions for various programmes\n6)
```

```
Quit\n\nEnter your choice: ");
```

```
}
```

```
// entry point
```

```
int main() {
```

```
    int choice;
```

```
do {
```

```
    print_menu();
```

```
    scanf("%d", &choice);
```

```
switch (choice) {
```

```
case 1:
```

```
    displayGeneralInfo();
    break;
case 2:
    displayActivatedPrograms();
    break;
case 3:
    displaySchedulingInfo();
    break;
case 4:
    displayAcademicCouncillors();
    break;
case 5:
    displayAssignmentSchedules();
    break;
case 6:
    printf("Exiting program.\n");
    break;
default:
    printf("Please select a valid option.\n");
}
} while (choice != 6);

return 0;
}
```

```
`utils.h`
```

```
#ifndef UTILS_H
```

```
#define UTILS_H
```

```
// Structure to hold information about a learner support center
```

```
struct LearnerSupportCentre {
```

```
    int _id;
```

```
    char code[10];
```

```
    char name[100];
```

```
    char address[200];
```

```
    char coordinator[100];
```

```
    char phone[20];
```

```
    char email[100];
```

```
    char timing[30];
```

```
    char programmes[40][40];
```

```
    int programmes_total;
```

```
    int staff_academic;
```

```
    int staff_non_academic;
```

```
    char status[20];
```

```
};
```

```
// Structure to hold information about a counselling schedule
```

```
struct CounsellingSchedule {
```

```
    char programme[4];
```

```
    int semester;
```

```
    char course_code[15];
```

```
    char counsellor[26];
```

```
char session_timing[10][24];  
int total_sessions;  
int session_duration;  
char venue[48];  
};
```

// Structure to hold information about a councillor

```
struct Councillor {  
    char programme[8];  
    char name[26];  
    char phone[12];  
};
```

// Structure to hold information about a councillor

```
struct AssignmentSubmissionSchedule {  
    char programme[12];  
    char submission_date[15];  
    char link[50];  
    char note[100];  
};
```

// Function to display general information

```
void displayGeneralInfo();
```

// Function to display activated programs

```
void displayActivatedPrograms();
```

```
// Function to display scheduling information
```

```
void displaySchedulingInfo();
```

```
// Function to display academic councillor details
```

```
void displayAcademicCouncillors();
```

```
// Function to display assignment submission schedules
```

```
void displayAssignmentSchedules();
```

```
#endif
```

```
`utils.c`
```

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

```
#include <conio.h>
```

```
#include <string.h>
```

```
#include "utils.h"
```

```
// dataset
```

```
extern struct LearnerSupportCentre lsc_dataset[];
```

```
extern struct CounsellingSchedule counselling_schedule_BCA_dataset[];
```

```
extern struct CounsellingSchedule counselling_schedule_MCA_dataset[];
```

```
extern struct Councillor councillors_dataset[];
```

```
extern struct AssignmentSubmissionSchedule
assignment_submission_schedule[];
```

```
// constants
```

```
extern int SIZE_OF_LSC_DATASET;
```

```
extern int SIZE_OF_COUNSELLING_SCHEDULE_BCA_DATASET;
```

```
extern int SIZE_OF_COUNSELLING_SCHEDULE_MCA_DATASET;
```

```
extern int SIZE_OF_COUNSELLORS_DATASET;
```

```
extern int SIZE_OF_ASSIGNMENT_SUBMISSION_SCHEDULE_DATASET;
```

```
// functions
```

```
/* Show details of selected LSC */
```

```
void printLSCDetails(struct LearnerSupportCentre lsc) {
    printf("=====\n");
    printf("Id : %d\nLSC Code : %s\nLSC Name : %s\nLSC Address : %s\nEmail : %s\nPhone : %s\nCoordinator Name : %s\nTiming : %s\nTotal Academic Staff : %d\nTotal Non-Academic Staff : %d\nStatus : %s\n", lsc._id, lsc.code, lsc.name, lsc.address, lsc.email, lsc.phone, lsc.coordinator, lsc.timing, lsc.staff_academic, lsc.staff_non_academic, lsc.status);
    printf("Programme(s) Activated in this LSC : \n");
    for (int i = 0; i < lsc.programmes_total; i++) {
        printf("%s", lsc.programmes[i]);
        if (i != lsc.programmes_total - 1) {
            printf(", ");
        }
    }
}
```



```

    }
}
printf("\n");
printf("=====\\n\\n");
}

```

*/\* Function to display general information \*/*

```

void displayGeneralInfo() {
    char scCode[10] = "\0";
    printf("Enter LSC Code\\n");
    printf("You can press * to see all LSCs information\\n");
    scanf("%s", scCode);

    if (!strcmp(scCode, "*")) {
        for (int i = 0; i < SIZE_OF_LSC_DATASET; i++) {
            printLSCDetails(lsc_dataset[i]);
        }
    } else {
        for (int i = 0; i < SIZE_OF_LSC_DATASET; i++) {
            if (!strcmp(lsc_dataset[i].code, scCode)) {
                printLSCDetails(lsc_dataset[i]);
                return;
            }
        }
        printf("No LSC found by this code.\\n\\n");
    }
}

```

```
}
```

```
/* Function to display activated programs */
```

```
void displayActivatedPrograms() {  
    char scCode[10] = "\0";  
    printf("Enter LSC Code : ");  
    scanf("%s", scCode);  
  
    for (int i = 0; i < SIZE_OF_LSC_DATASET; i++) {  
        if (!strcmp(lsc_dataset[i].code, scCode)) {  
            printf("Programme(s) available at %s : \n", lsc_dataset[i].name);  
            for (int j = 0; j < lsc_dataset[i].programmes_total; j++) {  
                printf("%s", lsc_dataset[i].programmes[j]);  
                if (j != lsc_dataset[i].programmes_total - 1) {  
                    printf(", ");  
                }  
            }  
            printf("\n\n");  
            return;  
        }  
    }  
    printf("No LSC found by this code.\n\n");  
}
```

```
/* Show details of Counselling Schedule */
```

```
void printCounsellingShedule(struct CounsellingSchedule schedule) {
```

```

printf("=====\n");
printf("Programme : %s\nSemester : %d\nCourse Code : %s\n\n",
schedule.programme, schedule.semester, schedule.course_code);
printf("Session Timing and Venue : \n");
for (int i = 0; i < schedule.total_sessions; i++) {
    printf("Session Timing : %s\nCounsellor : %s\nVenue : %s\n\n",
schedule.session_timing[i], schedule.councillor, schedule.venue);
}
printf("=====\n\n");
}

```

/\* Function to display scheduling information \*/

```

void displaySchedulingInfo() {
    printf("Counselling schedule for BCA and MCA of RC Delhi 3\n");
    for (int i = 0; i < SIZE_OF_COUNSELLING_SCHEDULE_BCA_DATASET; i++) {
        printCounsellingShedule(counselling_schedule_BCA_dataset[i]);
    }
    printf("\n");
    for (int i = 0; i < SIZE_OF_COUNSELLING_SCHEDULE_MCA_DATASET; i++)
    {
        printCounsellingShedule(counselling_schedule_MCA_dataset[i]);
    }
    printf("\n");
}

```

/\* print details of councillor \*/

```

void printCouncillors(struct Councillor councillor) {
    printf("=====\n");
    printf("Councillor Name : %s\nProgramme : %s\nContace : %s\n",
councillor.name, councillor.programme, councillor.phone);
    printf("=====\n\n");
}

```

/\* Function to display academic counselor details \*/

```

void displayAcademicCouncillors() {
    for (int i = 0; i < SIZE_OF_COUNSELLORS_DATASET; i++) {
        printCouncillors(councillors_dataset[i]);
    }
    printf("\n");
}

```

```

void printAssignmentSubmissionInfo(struct AssignmentSubmissionSchedule
schedule) {

```

```

printf("=====\n");

```

```

    printf("Programme Name : %s\nLast data of Assignment Submission :
%s\nSubmit Here : %s\nNote : %s\n", schedule.programme,
schedule.submission_date, schedule.link, schedule.note);

```

```

printf("=====\n\n");

```

```
}

/* Function to display assignment submission schedules */
```

```
void displayAssignmentSchedules() {
    for (int i = 0; i <
SIZE_OF_ASSIGNMENT_SUBMISSION_SCHEDULE_DATASET; i++) {
        printAssignmentSubmissionInfo(assignment_submission_schedule[i]);
    }
    printf("\n");
}
```

`dataset,c`

Please refer <https://github.com/Sahil-4/BCSL021-assginment-solution>

