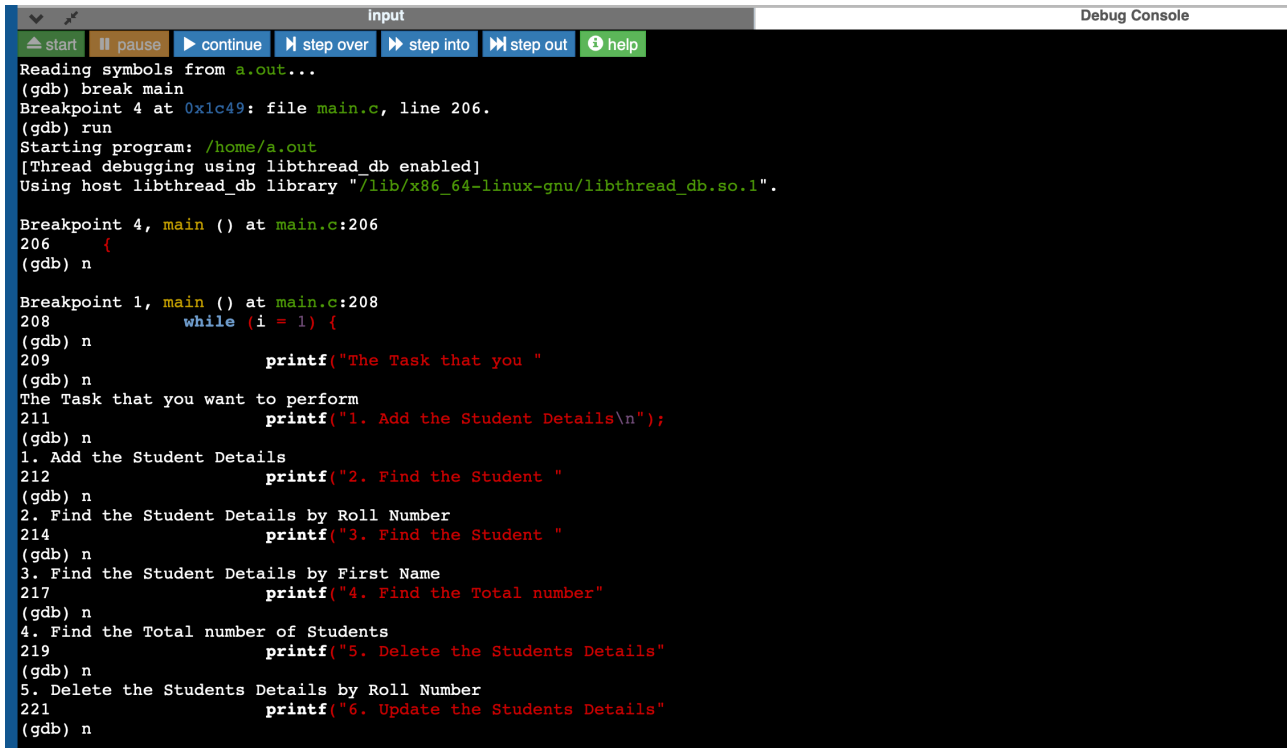


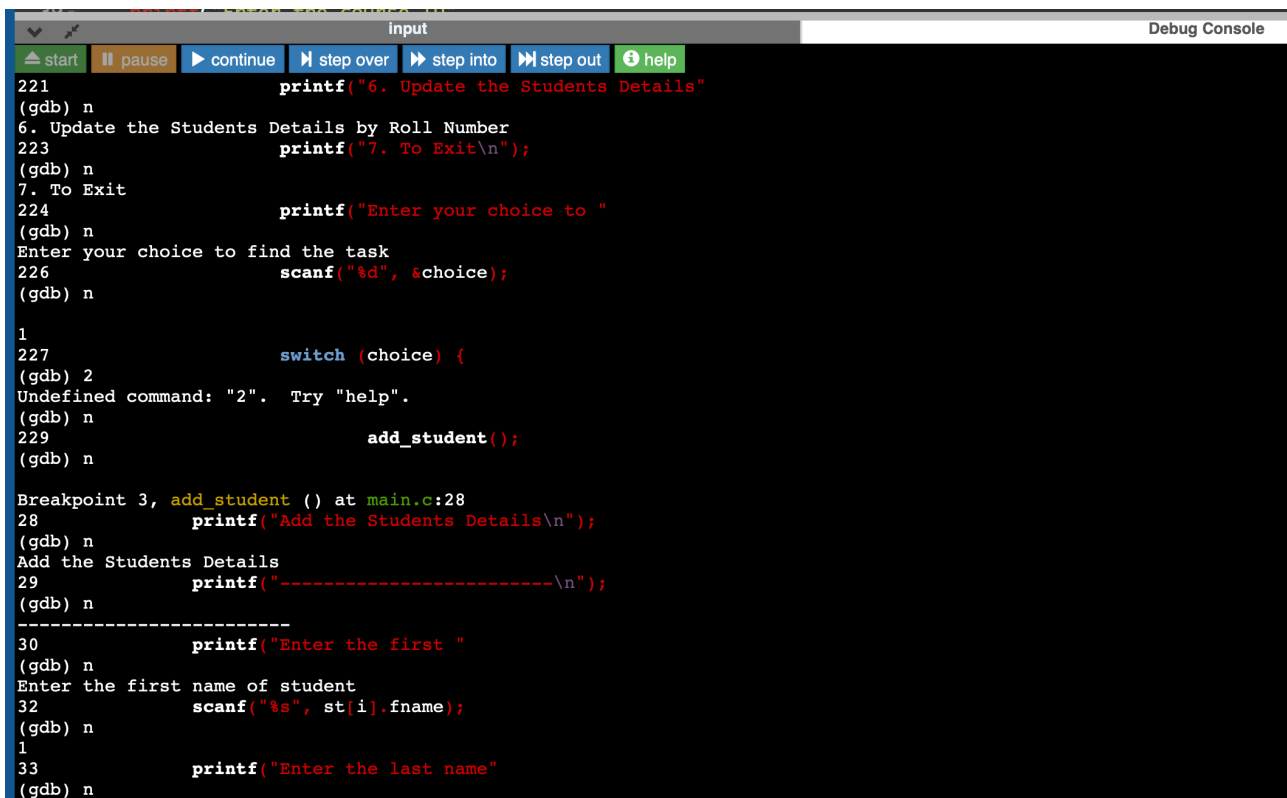
Debugging for programming practices mini project:-



```
Input Debug Console
start pause continue step over step into step out help
Reading symbols from a.out...
(gdb) break main
Breakpoint 4 at 0x1c49: file main.c, line 206.
(gdb) run
Starting program: /home/a.out
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".

Breakpoint 4, main () at main.c:206
206 {
(gdb) n

Breakpoint 1, main () at main.c:208
208 while (i = 1) {
(gdb) n
209 printf("The Task that you "
(gdb) n
The Task that you want to perform
211 printf("1. Add the Student Details\n");
(gdb) n
1. Add the Student Details
212 printf("2. Find the Student "
(gdb) n
2. Find the Student Details by Roll Number
214 printf("3. Find the Student "
(gdb) n
3. Find the Student Details by First Name
217 printf("4. Find the Total number"
(gdb) n
4. Find the Total number of Students
219 printf("5. Delete the Students Details"
(gdb) n
5. Delete the Students Details by Roll Number
221 printf("6. Update the Students Details"
(gdb) n
```



```
Input Debug Console
start pause continue step over step into step out help
221 printf("6. Update the Students Details"
(gdb) n
6. Update the Students Details by Roll Number
223 printf("7. To Exit\n");
(gdb) n
7. To Exit
224 printf("Enter your choice to "
(gdb) n
Enter your choice to find the task
226 scanf("%d", &choice);
(gdb) n

1
227 switch (choice) {
(gdb) 2
Undefined command: "2". Try "help".
(gdb) n
229 add_student();
(gdb) n

Breakpoint 3, add_student () at main.c:28
28 printf("Add the Students Details\n");
(gdb) n
Add the Students Details
29 printf("-----\n");
(gdb) n
-----
30 printf("Enter the first "
(gdb) n
Enter the first name of student
32 scanf("%s", st[i].fname);
(gdb) n
1
33 printf("Enter the last name"
(gdb) n
```

```
input Debug Console
start pause continue step over step into step out help
Breakpoint 3, add_student () at main.c:28
28     printf("Add the Students Details\n");
(gdb) n
Add the Students Details
29     printf("-----\n");
(gdb) n
-----
30     printf("Enter the first "
(gdb) n
Enter the first name of student
32     scanf("%s", st[i].fname);
(gdb) n
1
33     printf("Enter the last name"
(gdb) n
Enter the last name of student
35     scanf("%s", st[i].lname);
(gdb) n
1
36     printf("Enter the Roll Number\n");
(gdb) n
Enter the Roll Number
37     scanf("%d", &st[i].roll);
(gdb) n
1
39     printf("Enter the course ID"
(gdb) n
Enter the course ID
41     for (int j = 0; j < 5; j++) {
(gdb) n
42         scanf("%d", &st[i].cid[j]);
(gdb) n
1
41     for (int j = 0; j < 5; j++) {
(gdb) 
```

```
input Debug Console
start pause continue step over step into step out help
Breakpoint 3, add_student () at main.c:28
28     printf("Add the Students Details\n");
(gdb) n
Add the Students Details
29     printf("-----\n");
(gdb) n
-----
30     printf("Enter the first "
(gdb) n
Enter the first name of student
32     scanf("%s", st[i].fname);
(gdb) n
1
33     printf("Enter the last name"
(gdb) n
Enter the last name of student
35     scanf("%s", st[i].lname);
(gdb) n
1
36     printf("Enter the Roll Number\n");
(gdb) n
Enter the Roll Number
37     scanf("%d", &st[i].roll);
(gdb) n
1
39     printf("Enter the course ID"
(gdb) n
Enter the course ID
41     for (int j = 0; j < 5; j++) {
(gdb) n
42         scanf("%d", &st[i].cid[j]);
(gdb) n
1
41     for (int j = 0; j < 5; j++) {
(gdb) quit
```

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