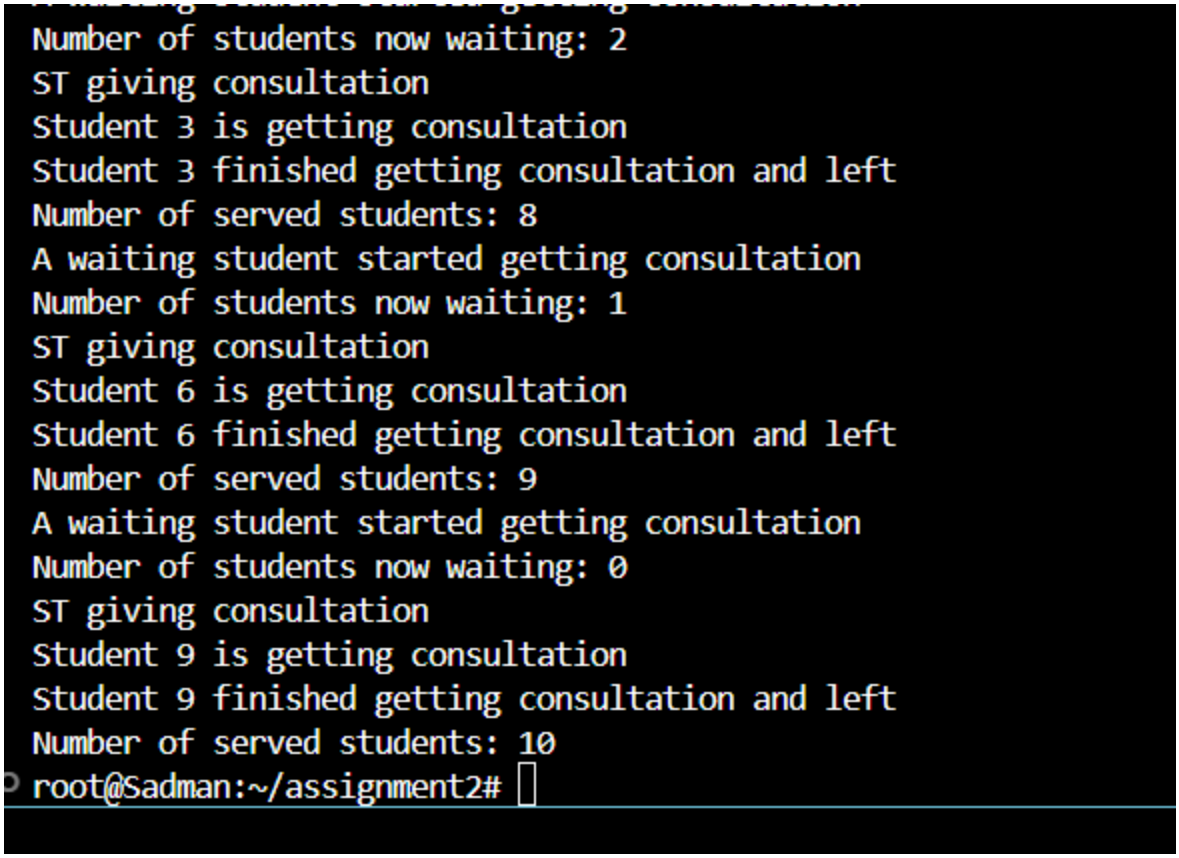
TASK-1

```
root@Sadman:~/assignment2# gcc -pthread task1.c -o task1
root@Sadman:~/assignment2# ./task1
Enter the term of fibonacci sequence:
-1
Please enter n between 0 and 40 (inclusive).
Enter the term of fibonacci sequence:
we
Invalid input. Please enter an integer.
Enter the term of fibonacci sequence:
58
Please enter n between 0 and 40 (inclusive).
Enter the term of fibonacci sequence:
8
How many numbers you are willing to search?:
3
Enter search 1:
0
Enter search 2:
4
Enter search 3:
10
a[0] = 0
a[1] = 1
a[2] = 1
a[3] = 2
a[4] = 3
a[5] = 5
a[6] = 8
a[7] = 13
a[8] = 21
result of search #1 = 0
result of search #2 = 3
result of search #3 = -1
```

TASK-2

```
root@Sadman:~/assignment2# gcc -pthread task2.c -o task2
root@Sadman:~/assignment2# ./task2
Student 0 started waiting for consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 0 is getting consultation
Student 1 started waiting for consultation
Student 2 started waiting for consultation
Student 3 started waiting for consultation
No chairs remaining in lobby. Student 4 Leaving.....
Student 4 finished getting consultation and left
Number of served students: 1
No chairs remaining in lobby. Student 5 Leaving.....
Student 5 finished getting consultation and left
Number of served students: 2
Student 0 finished getting consultation and left
Number of served students: 3
A waiting student started getting consultation
Number of students now waiting: 2
ST giving consultation
Student 1 is getting consultation
Student 6 started waiting for consultation
No chairs remaining in lobby. Student 7 Leaving.....
Student 7 finished getting consultation and left
Number of served students: 4
Student 1 finished getting consultation and left
Number of served students: 5
A waiting student started getting consultation
Number of students now waiting: 2
ST giving consultation
Student 2 is getting consultation
Student 9 started waiting for consultation
No chairs remaining in lobby. Student 8 Leaving.....
Student 8 finished getting consultation and left
Number of served students: 6
Student 2 finished getting consultation and left
Number of served students: 7
A waiting student started getting consultation
Number of students now waiting: 2
ST giving consultation
```


Number of students now waiting: 2
ST giving consultation
Student 3 is getting consultation
Student 3 finished getting consultation and left
Number of served students: 8
A waiting student started getting consultation
Number of students now waiting: 1
ST giving consultation
Student 6 is getting consultation
Student 6 finished getting consultation and left
Number of served students: 9
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 9 is getting consultation
Student 9 finished getting consultation and left
Number of served students: 10
root@Sadman:~/assignment2#