

# Task-1:

```
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC: ~/Desktop/Lab Assignment 2
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/Lab Assignment 2$ gcc -o t1 task1.c
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/Lab Assignment 2$ ./t1
Enter the term of fibonacci sequence:
8
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
How many numbers you are willing to search?:
3
Enter search 1:
0
Enter search 2:
4
Enter search 3:
10
result of search #1 = 0
result of search #2 = 3
result of search #3 = -1
```

## Task-2:

```
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC:~/Desktop/Lab Assignment 2$ ./t2
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
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 4 started waiting for consultation
Student 1 is getting consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 9 started waiting for consultation
Student 9 is getting consultation
Student 7 started waiting for consultation
Student 0 finished getting consultation and left
Number of served students: 1
A waiting student started getting consultation
Number of students now waiting: 1
ST giving consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 8 started waiting for consultation
Student 8 is getting consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 4 is getting consultation
```

```
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC: ~/Desktop/Lab Assignment 2
A waiting student started getting consultation
Number of students now waiting: 1
ST giving consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 8 started waiting for consultation
Student 8 is getting consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 4 is getting consultation
Student 7 is getting consultation
Student 2 started waiting for consultation
Student 3 started waiting for consultation
A waiting student started getting consultation
Number of students now waiting: 1
ST giving consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 2 is getting consultation
Student 3 is getting consultation
Student 5 started waiting for consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 6 started waiting for consultation
Student 5 is getting consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 6 is getting consultation
Student 9 finished getting consultation and left
Number of served students: 2
```

```
ubuntu@ubuntu-HP-280-Pro-G8-Microtower-PC: ~/Desktop/Lab Assignment 2
ST giving consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 2 is getting consultation
Student 3 is getting consultation
Student 5 started waiting for consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 6 started waiting for consultation
Student 5 is getting consultation
A waiting student started getting consultation
Number of students now waiting: 0
ST giving consultation
Student 6 is getting consultation
Student 9 finished getting consultation and left
Number of served students: 2
Student 1 finished getting consultation and left
Number of served students: 3
Student 8 finished getting consultation and left
Number of served students: 4
Student 4 finished getting consultation and left
Number of served students: 5
Student 7 finished getting consultation and left
Number of served students: 6
Student 2 finished getting consultation and left
Number of served students: 7
Student 3 finished getting consultation and left
Number of served students: 8
Student 5 finished getting consultation and left
Number of served students: 9
Student 6 finished getting consultation and left
Number of served students: 10
```