LAB-07

Q1 Output:

```
PS C:\Users\Administrator\Desktop\6th Semester\OS Lab\OS-Lab
301\Lab 07\" ; if ($?) { gcc Lab-07-Code.c -o Lab-07-Code }

Enter number of processes: 5

Enter number of resources: 3

Enter Claim Vector: 10 5 7

Enter Allocated Resource Table:
0 1 0
2 0 0
3 0 2
2 1 1
0 0 2

Enter Maximum Claim Table:
7 5 3
3 2 2
9 0 2
2 2 2
4 3 3

The Claim Vector is:     10        5        7
The Allocated Resource Table:
        0        1        0
        2        0        0
        3        0        2
        2        1        1
        0        0        2
```

LAB-07

Q1 Output:

```
The Maximum Claim Table:
        7          5          3
        3          2          2
        9          0          2
        2          2          2
        4          3          3

Allocated resources:     7          2          5
Available resources:     3          3          2

Process2 is executing

The process is in safe state
Available vector:        5          3          2

Process4 is executing

The process is in safe state
Available vector:        7          4          3

Process1 is executing

The process is in safe state
Available vector:        7          5          3

Process3 is executing

The process is in safe state
Available vector:        10         5          5

Process5 is executing

The process is in safe state
Available vector:        10         5          7
PS C:\Users\Administrator\Desktop\6th Semester\OS Lab\OS-Lab
```