LAB-14

Q1 Output:

a) Sequential

```
{ gcc lab_14_1.c -o lab_14_1 } ; if ($?) { .\lab_14_1 }

Enter the starting block and length of the file: 5 4

5 -> 1
6 -> 1
7 -> 1
8 -> 1
The file is allocated to disk.
Do you want to enter more files? (1 = Yes / 0 = No): 1

Enter the starting block and length of the file: 7 3

Block 7 is already allocated!
Do you want to enter more files? (1 = Yes / 0 = No): 0
PS C:\6th-sems\OS labs>
```

b) Indexed

```
PS C:\6th-sems\OS labs> cd "c:\6th-sems\OS labs\" ; if ($?)
{ gcc lab_14_2.c -o lab_14_2 } ; if ($?) { .\lab_14_2 }

Enter index block: 10
Enter number of blocks on index: 3
Enter block numbers:
12 13 14
File Indexed.
10 -> 12 : 1
10 -> 13 : 1
10 -> 14 : 1
Enter 1 to enter more files and 0 to exit: 1

Enter index block: 10
Index block already allocated!
Enter 1 to enter more files and 0 to exit: 0
PS C:\6th-sems\OS labs>
```

LAB-14

Q1 Output:

c) Linked

```
PS C:\6th-sems\OS labs> cd "c:\6th-sems\OS labs\" ; if ($?)
 { gcc lab_14_3.c -o lab_14_3 } ; if ($?) { .\lab_14_3 }
Enter how many blocks are already allocated: 3
Enter the block numbers that are already allocated:
3 5 9

Enter the starting index block and length: 2 4

2 -> 1
3 -> Block is already allocated
4 -> 1
5 -> Block is already allocated
6 -> 1
7 -> 1
Do you want to enter one more file? (1 = Yes / 0 = No): 1

Enter the starting index block and length: 10 3

10 -> 1
11 -> 1
12 -> 1
Do you want to enter one more file? (1 = Yes / 0 = No): 0
```