LAB-09

Q1 Output:

```
PS C:\Users\Administrator\Desktop\6th Semester\OS Lab\OS-Labs-
301\Lab 09\" ; if ($?) { gcc Lab-09-Code.c -o Lab-09-Code } ;

Enter the number of processes: 4
Enter the number of memory blocks: 5
Enter the size of each process:
Process 0: 212
Process 1: 417
Process 2: 112
Process 3: 426
Enter the size of each memory block:
Block 0: 100
Block 1: 500
Block 2: 200
Block 3: 300
Block 4: 600

1. First Fit  2. Best Fit  3. Worst Fit

Enter your choice: 1

First Fit:

Process 0 of size 212 is allocated in block 1 of size 500
Process 1 of size 417 is allocated in block 4 of size 600
Process 2 of size 112 is allocated in block 2 of size 200
Process 3 of size 426 is not allocated
```

LAB-09

Q1 Output:

```
Enter your choice: 2

Best Fit:
After sorting block sizes:
Block 0: 100
Block 1: 200
Block 2: 300
Block 3: 500
Block 4: 600

Process 0 of size 212 is allocated in block 2 of size 300
Process 1 of size 417 is allocated in block 3 of size 500
Process 2 of size 112 is allocated in block 1 of size 200
Process 3 of size 426 is allocated in block 4 of size 600
Enter your choice: 3

Worst Fit:
After sorting block sizes:
Block 0: 600
Block 1: 500
Block 2: 300
Block 3: 200
Block 4: 100

Process 0 of size 212 is allocated in block 0 of size 600
Process 1 of size 417 is allocated in block 1 of size 500
Process 2 of size 112 is allocated in block 2 of size 300
Process 3 of size 426 is not allocated
```