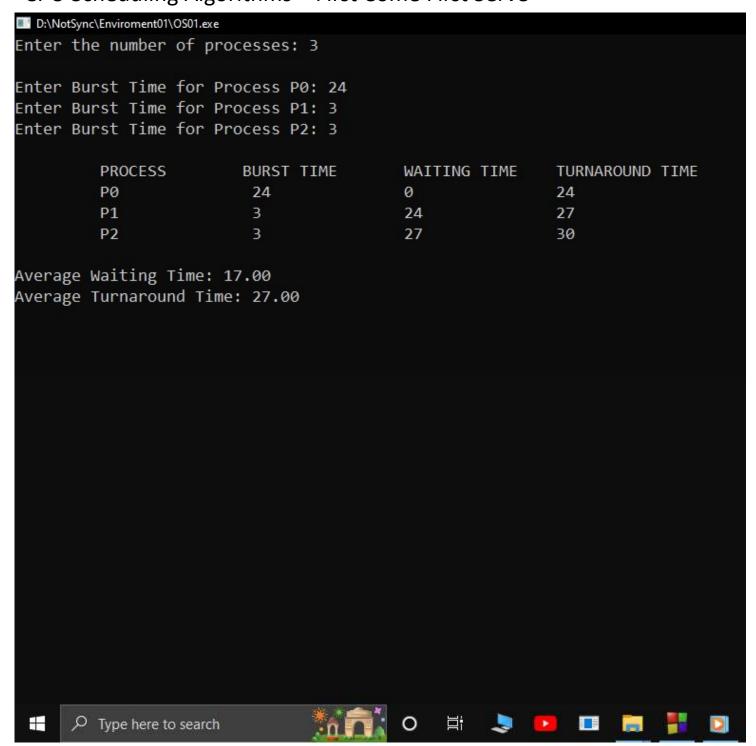
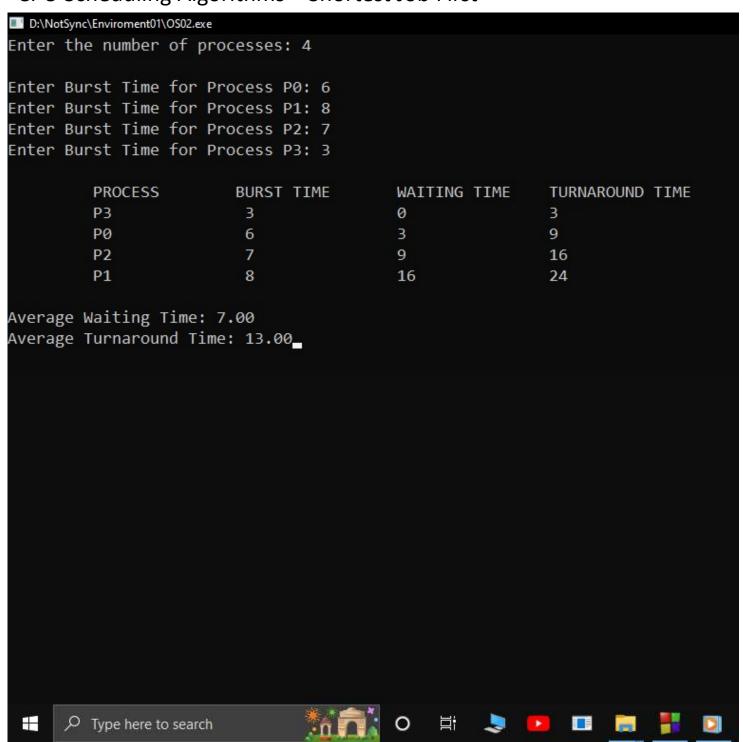
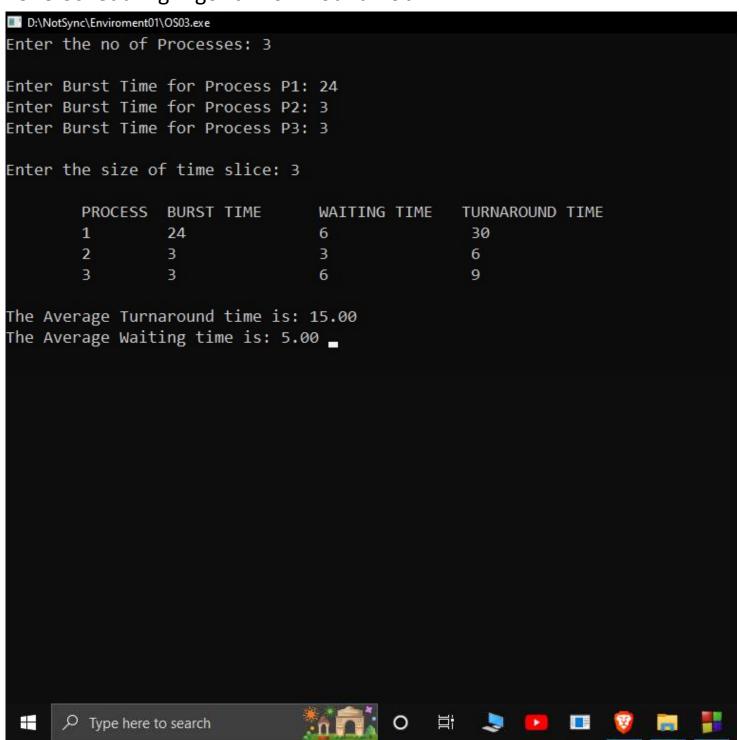
# Experiment 01 CPU Scheduling Algorithms – First Come First Serve



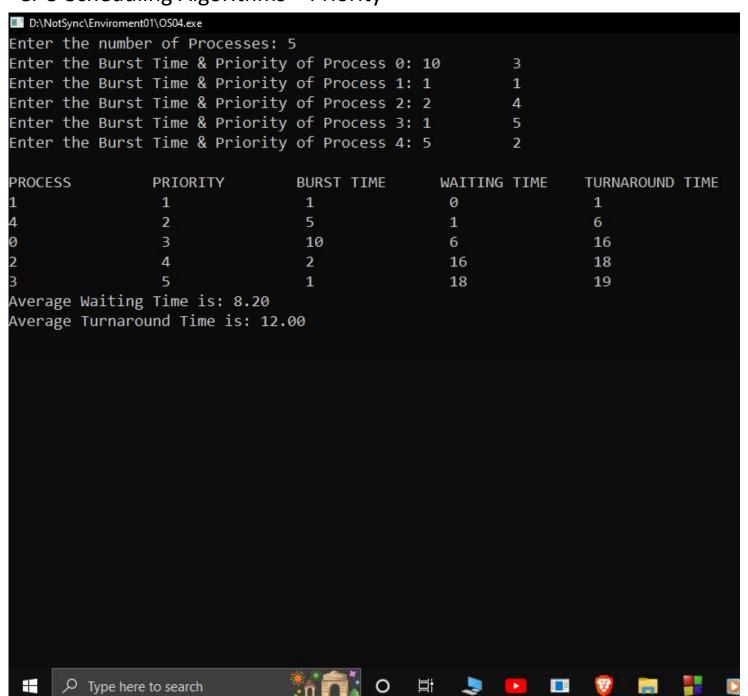
### Experiment 02 CPU Scheduling Algorithms – Shortest Job First



# Experiment 03 CPU Scheduling Algorithms – Round Robin



## Experiment 04 CPU Scheduling Algorithms – Priority



### Experiment 05

#### Memory Management with Fixed Partitioning Technique (MFT)

```
"D:\NotSync\Enviroment01\OS05 - Memory Management.exe"
Enter the total memory available (in Bytes): 1000
Enter the block size (in Bytes): 300
Enter the number of Processes: 5
Enter memory required for process 1 (in Bytes): 275
Enter memory required for process 2 (in Bytes): 400
Enter memory required for process 3 (in Bytes): 290
Enter memory required for process 4 (in Bytes): 293
Enter memory required for process 5 (in Bytes): 100
No. of Blocks available in memory: 3
PROCESS MEMORYREQUIRED ALLOCATED
                                         INTERNAL FRAGMENTATION
1
        275
                        YES
                                         25
2
        400
                        NO
 3
        290
                        YES
                                         10
4
        293
                        YES
Memory is Full, Remaining Processes cannot be accomodated
Total Internal Fragmentation is 42
Total External Fragmentation is 100_
                                              計 🍃 🔼
                                                              Type here to search
```

## Experiment 06 Memory Management – Memory Variable Partioning Type (MVT)

```
"D:\NotSync\Enviroment01\OS06 - MM.exe"
Enter the total memory available (in Bytes): 1000
Enter memory required for process 1 (in Bytes): 400
Memory is allocated for Process 1
Do you want to continue(y/n): y
Enter memory required for process 2 (in Bytes): 275
Memory is allocated for Process 2
Do you want to continue(y/n): y
Enter memory required for process 3 (in Bytes): 550
Memory is Full
Total Memory Available: 1000
        PROCESS
                         MEMORY ALLOCATED
        1
                        400
        2
                        275
Total Memory Allocated is: 675
Total External Fragmentation is: 325
                                               Ħ 💄 🔼
                                                             <del>}</del>
      Type here to search
```

### Experiment 07

#### File Organization Techniques – Single Level Directory

```
"D:\NotSync\Enviroment01\OS07 - FM.exe"
Enter name of directory: CSE

    Create File 2. Delete File

    Search File 4. Display Files 5. Exit

Enter your choice: 1
Enter the name of the file: A

    Create File 2. Delete File

    Search File 4. Display Files 5. Exit

Enter your choice: 1
Enter the name of the file: B

    Create File 2. Delete File

    Search File 4. Display Files 5. Exit

Enter your choice: 1
Enter the name of the file: C

    Create File 2. Delete File

3. Search File 4. Display Files
                                  5. Exit
Enter your choice: 4
The Files are --
                      A B
1. Create File 2. Delete File

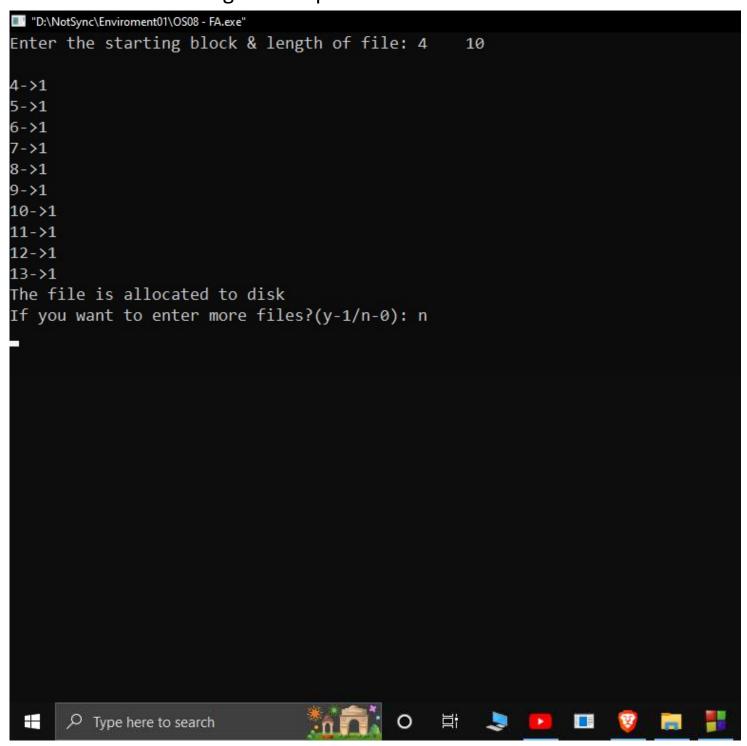
    Search File 4. Display Files 5. Exit

Enter your choice: 3
Enter the name of the file -- ABC
File ABC not found
1. Create File 2. Delete File

    Search File 4. Display Files 5. Exit

Enter your choice: 2
Enter the name of the file: B
File B is deleted
1. Create File 2. Delete File
Search File 4. Display Files
                                5. Exit
Enter your choice: 5
Process returned 0 (0x0) execution time : 78.402 s
Press any key to continue.
                                                O 🛱 😓 🔼 🔳 🦁
 3
      Type here to search
```

# Experiment 08 File Allocation Strategies – Sequential



# Experiment 09 File Allocation Strategies – Indexed

```
"D:\NotSync\Enviroment01\OS09 - FA.exe"
Enter index block: 9
Enter no of files on index: 3 1
2 3
Allocated
File indexed
9->1:1
9->2:1
9->3:1Enter 1 to enter more files and 0 to exit: 0
                                       O 🛱 💄 🔼
                                                         P Type here to search
```

Experiment 10 File Allocation Strategies – Linked