```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

rayyanbalami@Rayyans-MacBook-Air OS % cd "/Users/rayyanbalami/Documents/Rayyan
Fit && "/Users/rayyanbalami/Documents/RayyanCodes/OS/"bestFit

*** Best Fit Algorithm ***

Enter number of :

Blocks: 5
Files: 5

Enter size of :

Blocks:
1: 400
2: 750
3: 1200
4: 250
5: 150

Files:
1: 200
2: 75
3: 600
4: 900
5: 300

File No.        File Size       Block No.       Block Size      Fragment
1               200             4               250             50
2               75              5               150             75
3               600             2               750             150
4               900             3               1200            300
5               300             1               400             100
```

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

rayyanbalami@Rayyans-MacBook-Air OS % cd "/Users/rayyanbalami/Documents/Rayyan(
stFit && "/Users/rayyanbalami/Documents/RayyanCodes/OS/"worstFit

*** Worst Fit Algorithm ***

Enter number of :

Blocks: 5
Files: 5

Enter size of :

Blocks:
1: 400
2: 750
3: 1200
4: 250
5: 150

Files:
1: 200
2: 75
3: 600
4: 900
5: 300

File No.        File Size       Block No.       Block Size      Fragment
1               200             3               1200            1000
2               75              2               750             675
3               600             -               -               -
4               900             -               -               -
5               300             1               400             100
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
rayyanbalami@Rayyans-MacBook-Air OS % cd "/Users/rayyanbalami/Documents/Rayyan
ers && "/Users/rayyanbalami/Documents/RayyanCodes/OS/"bankers

*** Banker's Algorithm ***

Number of processes: 4
Number of resources: 3

Enter allocation matrix:
P[0] : 0 1 0
P[1] : 1 2 2
P[2] : 0 2 0
P[3] : 3 0 1

Enter max matrix:
P[0] : 8 6 3
P[1] : 9 4 3
P[2] : 5 3 3
P[3] : 4 3 3

Enter available resources:
A[R] : 6 3 2

Enter New Resourse Request:
P-ID : 0
P[R] : 2 0 0

visits  available
P[3]      7  3  3
P[2]      7  5  3
P[0]      9  6  3
P[1]     10  8  5

SYSTEM IS IN SAFE STATE
The Safe Sequence is -- (P[3] P[2] P[0] P[1] )

Process         Allocation              Max                     Need
P[0]         2     1     0          8     6     3          6     5     3
P[1]         1     2     2          9     4     3          8     2     1
P[2]         0     2     0          5     3     3          5     1     3
P[3]         3     0     1          4     3     3          1     3     2
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
rayyanbalami@Rayyans-MacBook-Air OS % cd "/Users/rayyanbalami/Documents/Rayyan
stFit && "/Users/rayyanbalami/Documents/RayyanCodes/OS/"firstFit

*** First Fit Algorithm ***

Enter number of :

Blocks: 5
Files: 5

Enter size of :

Blocks:
1: 400
2: 750
3: 1200
4: 250
5: 150

Files:
1: 200
2: 75
3: 600
4: 900
5: 300

File No.        File Size       Block No.       Block Size      Fragment
1               200             1               400             200
2               75              2               750             675
3               600             3               1200            600
4               900             -               -               -
5               300             -               -               -
```