```
*******FRACTIONAL KNAPSACK PROBLEM*******

Enter the number of items: 5
Enter the maximum weight: 100

For item 1:
Enter profit: 20
Enter weight: 10

For item 2:
Enter profit: 30
Enter weight: 20

For item 3:
Enter profit: 66
Enter weight: 30

For item 4:
Enter profit: 40
Enter weight: 40

For item 5:
Enter profit: 60
Enter weight: 50

Total profit is: 164.00
SOLUTION TUPLE: (1.00    1.00    1.00    0.00    0.80)
```

```
*********FIRST COME FIRST SERVE*********

Enter the number of processes: 5

For process 1:
Enter process id    : 0
Enter arrival time  : 0
Enter burst time    : 2

For process 2:
Enter process id    : 1
Enter arrival time  : 1
Enter burst time    : 6

For process 3:
Enter process id    : 2
Enter arrival time  : 2
Enter burst time    : 4

For process 4:
Enter process id    : 3
Enter arrival time  : 3
Enter burst time    : 9

For process 5:
Enter process id    : 6
Enter arrival time  : 6
Enter burst time    : 12

PROCESS ID          ARRIVAL TIME        BURST TIME          COMPLETION TIME     TURN AROUND TIME    WAITING TIME

0                   0                   2                   2                   2                   0

1                   1                   6                   8                   7                   1

2                   2                   4                   12                  10                  6

3                   3                   9                   21                  18                  9

6                   6                   12                  33                  27                  15
```