

執行結果:

第一題:

```
ben@ubuntu:~/Desktop/FCU_OS_LAB/HW7$ ./HW7_1_D1053020
Enter the number of processes: 4
Enter the arrival time and burst time of process 1: 12 9
Enter the arrival time and burst time of process 2: 0 18
Enter the arrival time and burst time of process 3: 5 6
Enter the arrival time and burst time of process 4: 7 15

Process Information:
-----
| Process | Arrival Time | Burst Time |
-----
| P1      | 12           | 9          |
| P2      | 0            | 18         |
| P3      | 5            | 6          |
| P4      | 7            | 15         |
-----

Time Quantum: 18
Average Turnaround Time = 26.25
Average Waiting Time = 14.25
```

第二題:

LRU

```
ben@ubuntu:~/Desktop/FCU_OS_LAB/HW7$ ./HW7_2-1_D1053020
Enter the number of pages: (up to 30): 21
Enter page reference (separated by spaces):
8 5 8 2 3 8 5 4 0 5 0 9 8 1 5 2 4 6 8 0 4
8
8 5
8 5
8 5 2
8 3 2
8 3 2
8 3 5
8 4 5
0 4 5
0 4 5
0 4 5
0 9 5
0 9 8
1 9 8
1 5 8
1 5 2
4 5 2
4 6 2
4 6 8
0 6 8
0 4 8
Total Page faults: 17
```

LFU

```
ben@ubuntu:~/Desktop/FCU_OS_LAB/HW7$ ./HW7_2-2_D1053020
Enter the number of pages: (up to 30): 21
Enter page reference (separated by spaces):
8 5 8 2 3 8 5 4 0 5 0 9 8 1 5 2 4 6 8 0 4
Accessing page 8:
8
Accessing page 5:
8 5
Accessing page 8:
8 5
Accessing page 2:
8 5 2
Accessing page 3:
8 3 2
Accessing page 8:
8 3 2
Accessing page 5:
8 3 5
Accessing page 4:
8 4 5
Accessing page 0:
8 4 0
Accessing page 5:
8 5 0
Accessing page 0:
8 5 0
Accessing page 9:
8 9 0
Accessing page 8:
8 9 0
Accessing page 1:
8 1 0
Accessing page 5:
8 5 0
Accessing page 2:
8 2 0
Accessing page 4:
8 4 0
Accessing page 6:
8 6 0
Accessing page 8:
8 6 0
Accessing page 0:
8 6 0
Accessing page 4:
8 4 0
Total Page faults: 15
```