LAB 5: PROCESS SCHEDULING ALGORITHMS

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Q1:

Code:

```
///bubokor 1066.
| Int main() {
| printf("Abubakan 10662\n\n");
| int p[20],bt[20],pr1[20], ut[20],tat[20],i, k, n, temp;
| float utawg, tatawg;
| printf("Enter the number of processes -- ");
| scanf("Main,"an);
| for(1-0-)icn;i++) {
| p[i] = i;
| printf("Enter the Burst Time & Priority of Process %d- ",i);
| scanf("Main,"abt], apri[i]); }
| for(1-0-)icn;i++) {
| i(pri[i] > pri[k]) {
| temp=p[i];
| p[i]+p[k];
| p[i]+p[k];
| p[i]+p[k];
| p[i]+p[k];
| bt[i]+bt[k];
| bt[i]+bt[k];
| pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+pri[i]+p
```

Output:

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### DAUNiversity\OSLabNab Task 5Nab Task 5Nab
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X-----X

Q2: Which of the following process scheduling algorithm may lead to starvation?

- a) FIFO.
- b) Round Robin.
- c) Shortest Job First.
- d) None of the Above.

Explanation:

Shortest job next may lead to process starvation for processes which will require a long time to complete if short processes are continually added.