QUESTION 2: - Solution

The problem says that write a program which should we non pre-emptive similar to Shortest Job Next and

job gains priority the longer they wait, to prevent indefinite postponement(starvation)

the priority will be decided by 1+ Waiting time / Estimated run time

non pre-emptive: - It says that the job that entered to running state should complete first before the next job enters in running state.

It is same as FCFS (First come First serve).

Shortest job next:-It is a scheduling, that decides on the basis of their execution time. when 2 or more jobs arrive at same time but having different execution time. The job which has minimum execution

will enter to running state first. It is also a non pre-emptive scheduling.

The program will contain process their arrival time (in case when 2 or more process get same execution time) and execution time.

The program will implement on the basis of priority to resolve the problem of starvation.