1. **Write a class process which will shows the ID, arrival time, cpu burst length and priority of process, all are integer values. Where**
   1. ID must be unique
   2. Arrival time can be unique, but may also be different
   3. The method of a process class is the get and set methods for each data member, the constructor of class and any method that can computer statistics like, average wait, average turnaround time).
   4. Maintain ready queue of all processes
2. **Apply the following algorithm on question A also compute the statistics of on each algorithm and show the result which is most optimal.**
   1. FCFS
   2. Shortest job first
   3. Priority scheduling
   4. Round robin
3. **Implement 3 ready queues having 3 priority. The 1st has highest priority (say 3) and implement RR The 2nd one has middle priority (say 2) and implement RR . While the 3rd one has the lowest priority (say 1) and implement FCFS. Enter TQ for RR.**
   1. The process in first queue get priority \* TQ amount of (PL) time
   2. while the process in 2nd queue get 1\*TQ
   3. If process in 3rd queue is waiting and to avoid starvation the process migrates from 3rd queue- 2nd queue by increasing priority by one after 10 second. If again process did not get chance after 5 second migrate it into top queue by adding 1 in priority
   4. **One process in highest queue get chance demi grate it into middle queue (of 2 priority)**
   5. **If process is in 3rd queue only apply FCFS.**