[Any Plagiarism in Code/Report will be heavily penalized]

Consider the following set of processes, with the length of the CPU burst time given in milliseconds:

Process	Arrival Time	Burst Time	Priority
P1	0	2	2
P2	2	1	1
P3	1	8	4
P4	5	4	2
P5	4	5	3

Question 1: Coding

Implement the following scheduling algorithms, (you may use the programs in lab manual) :

1. **[4 Marks]** Preemptive Priority. Consider the lowest value to be the highest priority, i.e. (1 means highest priority).
2. **[6 Marks]** Round Robin with Quantum Time = 8