**Algorithm**

**Step 1** – Create process information with process ID, arrival time, burst time, priority, finish time, remaining time during execution and waiting time.

**Step 2 –** Input process data as order of process id, arrival time, burst time and priority.

**Step 3** – Sort the process according to the arrival time if they match with priority and set the process ID according to respective priority otherwise go to step 4.

**Step 4 –** Sort the process according to the priority with respect to process ID

**Step 5 –** Execute the process with least arrival time with round robin technique (time quantum = 2)

**Step 6** – If a process occurs with higher priority than swaps the process with current lower priority process and allows executing.

**Step 7 –** Repeat Step 5 to 7 until and unless all the process got executed with defined priority

**Step 8** Exit