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**Course Code:** CSA0403  
**Experiment No.:** 5

Construct a scheduling program with C that selects the waiting process with the highest priority to execute next.

### ****AIM****

The aim of this program is to implement **CPU scheduling using the Priority Scheduling (non-preemptive) technique**, where the waiting process with the highest priority is selected for execution next.

### ****ALGORITHM****

Start the program.

Read the number of processes, their burst times, and priorities.

Sort the processes in order of **highest priority first** (assuming smaller number = higher priority, or vice versa depending on definition).

Compute:

**Waiting Time (WT):** WT[i] = WT[i-1] + BT[i-1]

**Turnaround Time (TAT):** TAT[i] = WT[i] + BT[i]

Display the process details with Priority, Burst Time, Waiting Time, and Turnaround Time.

Calculate and display the average Waiting Time and Turnaround Time.

End the program

PROGRAM / OUTPUT:

