# EXPERIMENT 8

# Construct a C program to simulate Round Robin scheduling algorithm with C.

**AIM:** Construct a C program to simulate Round Robin scheduling algorithm with C.

## ALGORITHM:

1. Include necessary headers:

Include the necessary header files like <stdio.h> for input/output operations.

1. Define the process structure:

Define a structure to hold the process information, such as process ID, arrival time, burst time, waiting time, and turnaround time.

1. Input the number of processes and their details:

Input the number of processes and their arrival time and burst time. 4.Input the time quantum for Round Robin:

Input the time quantum to be used in the Round Robin scheduling. 5.Simulate Round Robin scheduling:

Implement the Round Robin scheduling algorithm, including a queue to keep track of the processes.

6.Display the scheduling information:

Display the process details including process ID, arrival time, burst time, waiting time, and turnaround time.

A screenshot of a computer

Description automatically generated