# Process Scheduling Simulator

This C program simulates two process scheduling algorithms:

1. First Come First Served (FCFS)

2. Shortest Job First (SJF)

It calculates and displays:

- Waiting Time (WT)

- Turnaround Time (TAT)

- Response Time (RT)

- Average times for each algorithm

## How to Run

### Compilation

1. Save the code in `scheduler.c`.

2. Compile with:

```bash

gcc -o scheduler scheduler.c

```

### Execution

Run the program:

```bash

./scheduler

```

### Input Format

- Enter the number of processes.

- Provide arrival time and burst time for each process.

### Output

Displays Gantt charts, process metrics (WT, TAT, RT), and average times.