9 WT,TAT ON FCFS

#include <stdio.h>

int main() {

int processes[][2] = {{0, 2}, {1, 4}, {2, 8}};

int num\_processes = sizeof(processes) / sizeof(processes[0]);

int waiting\_times[num\_processes];

int turnaround\_times[num\_processes];

int current\_time = 0;

for (int i = 0; i < num\_processes; i++) {

waiting\_times[i] = current\_time;

current\_time += processes[i][1];

turnaround\_times[i] = current\_time;

}

float average\_waiting\_time = 0.0;

float average\_turnaround\_time = 0.0;

for (int i = 0; i < num\_processes; i++) {

average\_waiting\_time += waiting\_times[i];

average\_turnaround\_time += turnaround\_times[i];

}

average\_waiting\_time /= num\_processes;

average\_turnaround\_time /= num\_processes;

printf("Average waiting time: %f\n", average\_waiting\_time);

printf("Average turnaround time: %f\n", average\_turnaround\_time);

return 0;

}

OUT PUT

