Experiment-3

#include <stdio.h>

int main() {

int n, burstTime[20];

float totalWait = 0, totalTurnaround = 0;

int waitTime = 0;

printf("Enter number of processes: ");

scanf("%d", &n);

printf("Enter burst times:\n");

for (int i = 0; i < n; i++) {

printf("P%d: ", i + 1);

scanf("%d", &burstTime[i]);

}

printf("\nP\tBurst Time\tWaiting Time\tTurnaround Time\n");

for (int i = 0; i < n; i++) {

int turnaroundTime = waitTime + burstTime[i];

printf("P%d\t%d\t\t%d\t\t%d\n", i + 1, burstTime[i], waitTime, turnaroundTime);

totalWait += waitTime;

totalTurnaround += turnaroundTime;

waitTime += burstTime[i];

}

printf("\nAverage Waiting Time: %.2f\n", totalWait / n);

printf("Average Turnaround Time: %.2f\n", totalTurnaround / n);

return 0;

}