CPU SCHEDULING ALGORITHMS

AIM: To write a C program for implementation of FCFS and SJF scheduling algorithm

Algorithm FCFS:

Step 1: Inside the structure declare the variables.

Step 2: Declare the variable i,j as integer,totwtime and totttime is equal to zero.

Step 3: Get the value of „n‟ assign pid as I and get the value of p[i].btime.

Step 4: Assign p[0] wtime as zero and tot time as btime and inside the loop calculate wait time and turnaround time.

Step 5: Calculate total wait time and total turnaround time by dividing by total number of process.

Step 6: Print total wait time and total turnaround time.

Step 7: Stop the program

ALGORITHM SJF:

Step 1: Inside the structure declare the variables.

Step 2: Declare the variable i,j as integer,totwtime and totttime is equal to zero.

Step 3: Get the value of „n‟ assign pid as I and get the value of p[i].btime.

Step 4: Assign p[0] wtime as zero and tot time as btime and inside the loop calculate wait time and turnaround time.

Step 5: Calculate total wait time and total turnaround time by dividing by total number of process.

Step 6: Print total wait time and total turnaround time.

Step 7: Stop the program.