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Course BScIT SEM2

#include <stdio.h>

int waitingtime(int proc[], int n,

int burst\_time[], int wait\_time[])

{ wait\_time[0] = 0;

for (int i = 1; i < n ; i++ ) wait\_time[i] = burst\_time[i-1] + wait\_time[i-1] ; return 0; } int turnaroundtime( int proc[], int n, int burst\_time[], int wait\_time[], int tat[]) { int i; for ( i = 0; i < n ; i++) tat[i] = burst\_time[i] + wait\_time[i]; return 0; } int avgtime( int proc[], int n, int burst\_time[]) { int wait\_time[n], tat[n], total\_wt = 0, total\_tat = 0; int i; waitingtime(proc, n, burst\_time, wait\_time); turnaroundtime(proc, n, burst\_time, wait\_time, tat); printf("Processes Burst Waiting Turn around \n"); for ( i=0; i<n; i++) {total\_wt = total\_wt + wait\_time[i]; total\_tat = total\_tat + tat[i]; printf(" %d\t %d\t\t %d \t%d\n", i+1, burst\_time[i], wait\_time[i], tat[i]);} printf("Average waiting time = %f\n", (float)total\_wt / (float)n); printf("Average turn around time = %f\n", (float)total\_t

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