Swapnil

DATE:
PAGE N

Name :- Swapnil Kumar
course :- B.Sc I.T 2nd Sem
Roll No. :- 2093009

Swapnil

DATE: __/__/__
PAGE NO.

```
#include<stdio.h>
#include<conio.h>
void main()
{
int bt[4]={0}, at[4]={0}, tat[4]={0}, wt[4]={0}
ct[4]={0};
int i, k, n=4, sum=0;
float totalTAT=0, totalWT=0;
printf("Enter Arrival time and burst
time for each process\n");
for(int i=0; i<n; i++)
{
  printf("Arrival time of process[%d]: ",i+1);
  scanf("%d", &at[i]);
  printf("Burst time of process[%d]: ",i+1);
  scanf("%d", &bt[i]);
}
// calculate completion time of processes fo
for(int j=0; j<n; j++)
{
  sum+=bt[j];
  ct[j]+=sum;
}
// calculate turnaround time and waiting time
for(int k=0; k<n; k++)
{
  tat[k]=ct[k]-at[k];
  totalTAT+=tat[k];
}
for(k=0; k<n; k++)
{
  wt[k]=tat[k]-bt[k];
```

Always ahead

```
        total wt += wt[i];
    }
    printf("P#\t AT\t BT\t TAT\t WT\t\n\n");
    for(i=0; i<n; i++)
    {
        printf("P%d\t %d\t %d\t %d\t %d\t\n",
            i+1, at[i], bt[i], ct[i],
            tat[i], wt[i]);
    }
    printf("\n Average turnaround time = %f\n",
        total TAT/n);
    printf("Average WT = %f\n", total WT/n);
    getch();
}
```