HAMMAD MURTAZA

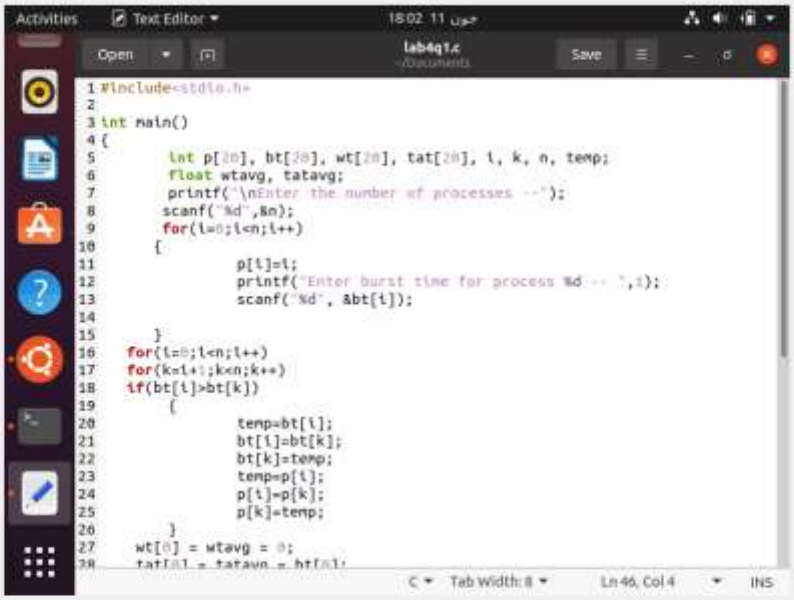
SID: 11146

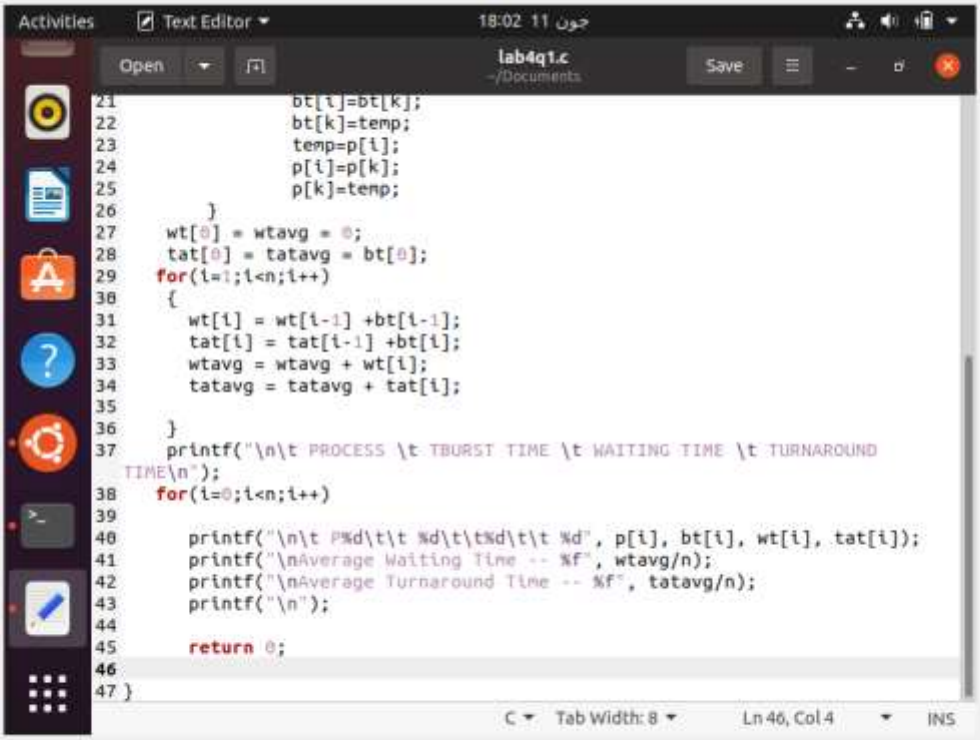
CID: 107241

OS LAB 4

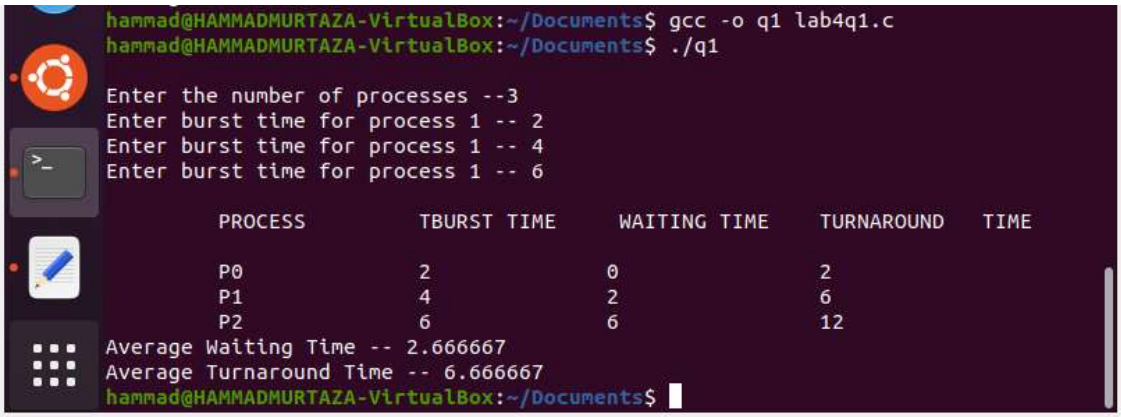
Q1:

CODE:




Activities
Text Editor
18:02 11 جون
Open
lab4q1.c
~/Documents
Save
bt[i]=bt[k];
bt[k]=temp;
temp=p[i];
p[i]=p[k];
p[k]=temp;
}
wt[0] = wtavg = 0;
tat[0] = tatavg = bt[0];
for(i=1;i<n;i++)
{
wt[i] = wt[i-1] +bt[i-1];
tat[i] = tat[i-1] +bt[i];
wtavg = wtavg + wt[i];
tatavg = tatavg + tat[i];
}
printf("\n\t PROCESS \t TBURST TIME \t WAITING TIME \t TURNAROUND TIME\n");
for(i=0;i<n;i++)
printf("\n\t P%d\t\t %d\t\t%d\t\t %d", p[i], bt[i], wt[i], tat[i]);
printf("\nAverage Waiting Time -- %f", wtavg/n);
printf("\nAverage Turnaround Time -- %f", tatavg/n);
printf("\n");
return 0;
}
C
Tab Width: 8
Ln 46, Col 4
INS

OUTPUT:


hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ gcc -o q1 lab4q1.c
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ ./q1
Enter the number of processes --3
Enter burst time for process 1 -- 2
Enter burst time for process 1 -- 4
Enter burst time for process 1 -- 6
PROCESS TBURST TIME WAITING TIME TURNAROUND TIME
P0 2 0 2
P1 4 2 6
P2 6 6 12
Average Waiting Time -- 2.666667
Average Turnaround Time -- 6.666667
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$