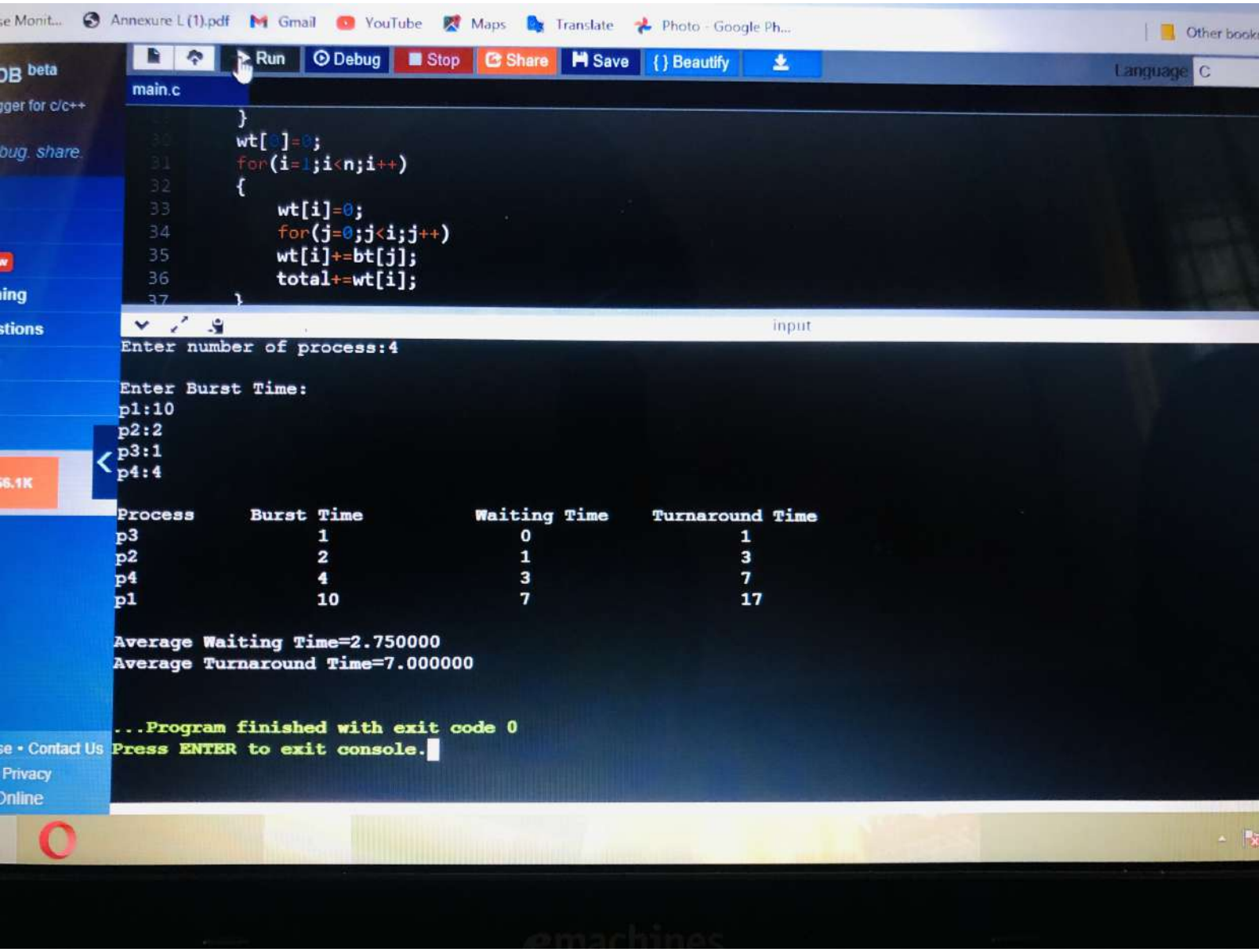
Name - Ritik Kurjal
Father Name - Kailash Kurjal
Roll no - 2023097
Student ID - 20051035
Sec - B
Course - BSc IT
Sem - 2nd

Ans2
```
#include <stdio.h>
int main()
{
int bt[20],p[20],wt[20],tat[20],i,j,n,total=0,pos,temp;
float avg_wt,avg_tat;
printf("Enter number of process:");
scanf("%d",&n);
printf("\nEnter Burst Time:\n");
for(i=0;i<n;i++)
{
printf("p%d:",i+1);
scanf("%d",&bt[i]);
p[i]=i+1;
}
for(i=0;i<n;i++)
{
pos=i;
for(j=i+1;j<n;j++)
{
if(bt[j]<bt[pos])
pos=j;
}
temp=bt[i];
```

```
bt[i] = bt[Pos];
bt[Pos] = temp;
temp = P[i];
P[i] = P[Pos];
P[Pos] = temp;
}
wt[0] = 0;
for(i=1; i<n; i++)
{
wt[i] = 0;
for(j=0; j<i; j++)
wt[i] += bt[j];
total += wt[i];
}
avg_wt = (float)total/n;
total = 0;
printf("\nProcess\t Burst Time \t Waiting Time \t Turnaround Time");
for(i=0; i<n; i++)
{
tat[i] = bt[i] + wt[i];
total += tat[i];
printf("\nP%d \t\t %d \t\t %d \t\t\t %d", P[i], bt[i],
wt[i], tat[i]);
}
avg_tat = (float)total/n;
printf("\n\n Average Waiting Time = %f", avg_wt);
printf("\n Average Turnaround Time = %f\n", avg_tat);
}.
```


Annexure L (1).pdf
Gmail
YouTube
Maps
Translate
Photo - Google Ph...
Other book
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
}
wt[0]=0;
for(i=1;i<n;i++)
{
wt[i]=0;
for(j=0;j<i;j++)
wt[i]+=bt[j];
total+=wt[i];
}
input
Enter number of process:4
Enter Burst Time:
p1:10
p2:2
p3:1
p4:4
Process Burst Time Waiting Time Turnaround Time
p3 1 0 1
p2 2 1 3
p4 4 3 7
p1 10 7 17
Average Waiting Time=2.750000
Average Turnaround Time=7.000000
...Program finished with exit code 0
Press ENTER to exit console.