Name - Priyanka Joshi
Course - BSC IT
University - 2093005

Ans 1.

```
# include <stdio.h>
int main()
{
    int n;
    printf("Enter the number of Process");
    scanf("%d", &n);
    int bt[n], at[n], tat[n], wt[n], temp;
    print("\n Enter The Burst Time and
            Arrival Time \n");
    for (int i=0; i<n; i++)
    {
        printf("Burst time P%d:", i+1);
        scanf("%d", &bt[i]);
        printf("Arrival Time P%d:", i+1);
        scanf("%d", &at[i]);
    }

    temp = (at[0]!=0)? at[0]:0;
    float avgTat = 0, avgWt=0;
    printf("Process\tBT\tAT\tTAT\t
        WT\n")
```

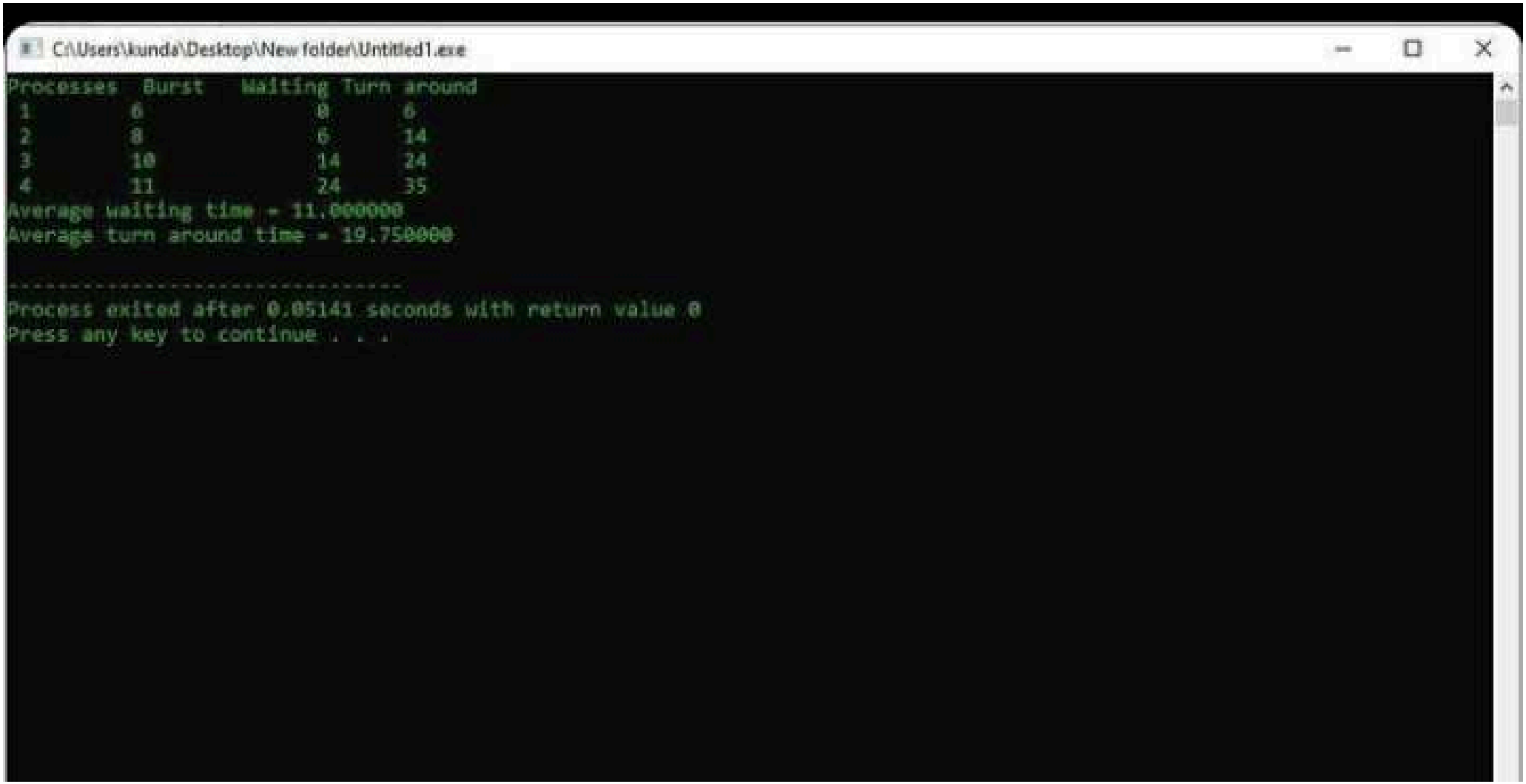
```
For (int i=0; i<n; i++)
  {
    wt [i] =0;
    tat[i] =0;
    wt[i] = temp - at[i];
    temp = temp + bt [i];
    tat [i] = wt [i] + bt[i];
printf (" Process | tBt | tAT | tIAT | tWT | n");
    for(int i=0; i<n ; i++)
  {
    wt [i] =0
    tat [i] = 0
    wt [i] = temp - at[i];
    tat[
    temp = temp + bt [i];
    tat [i] = wt [i] + bt [i];
printf ("P %od | t %od | t %od | t %od | t %od | n", i+1,
    bt[i], at[i], tat[i, wt [i]]);

avg Tat += tat[i];
  avg wt += wt [i];
```

```
}
avg wt /=4;
avg Tat /=4;
printf ("Average Turn Around Time = %.3f
n
Average waiting Time = %.3f ", avg Tat,
  avg wt);

return 0;

}
```


C:\Users\kunda\Desktop\New folder\Untitled1.exe
Processes  Burst   Waiting Turn around
 1         6               0       6
 2         8               6       14
 3         10              14      24
 4         11              24      35
Average waiting time = 11.000000
Average turn around time = 19.750000
--------------------------------
Process exited after 0.05141 seconds with return value 0
Press any key to continue . . .