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Section :- B
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Que :- C Program to implement FCFS Scheduling algorithm ---------- respectively.

- Program :-

```
# include <stdio.h>
# include <conio.h>
# define max 20
void main ()
{
  int i , j , n , bt [max] , at [max] , wt [max],
 tat [max] , temp [max];
  float awt = 0 , atat = 0;

printf (" Enter the no. of processes : \n ");
 scanf (" %d " , &n);
printf (" Enter the burst time of process : \n");
   for (i=0 ; i < n ; i++)
    scanf (" %d " , & bt [i]);
printf (" Enter the arrival time of the process.
                                    \n");
   for (i=0 ; i<n ; i++)
     scanf (" %d ", & at [i]);
temp [0] = 0 ;
printf (" process \t burst time \t arrival
time \t waiting time \t turn around time \n");
```

Sign :- Pallvi 19-02-21.

```
for (i = 0; i < n; i++)
{
    wt [i] = 0;
    tat [i] = 0;
    temp [i+1] = temp [i] + bt [i];
    wt [i] = temp [i] + at [i];
    tat [i] = wt [i] + bt [i];
    awt = awt + wt [i];
    atat = atat + tat [i];

printf (" %d \t %d \t\t %d \t \t %d \t \t
        %d \n", i+1, bt [i], at [i],
        wt [i], tat [i]);
}

awt = awt / n;
atat = atat / n;
printf (" Average waiting time is %f \n",
                                awt);
printf (" Average turn around time is %f \n",
                                atat);

getch();
}
```

Sign :-

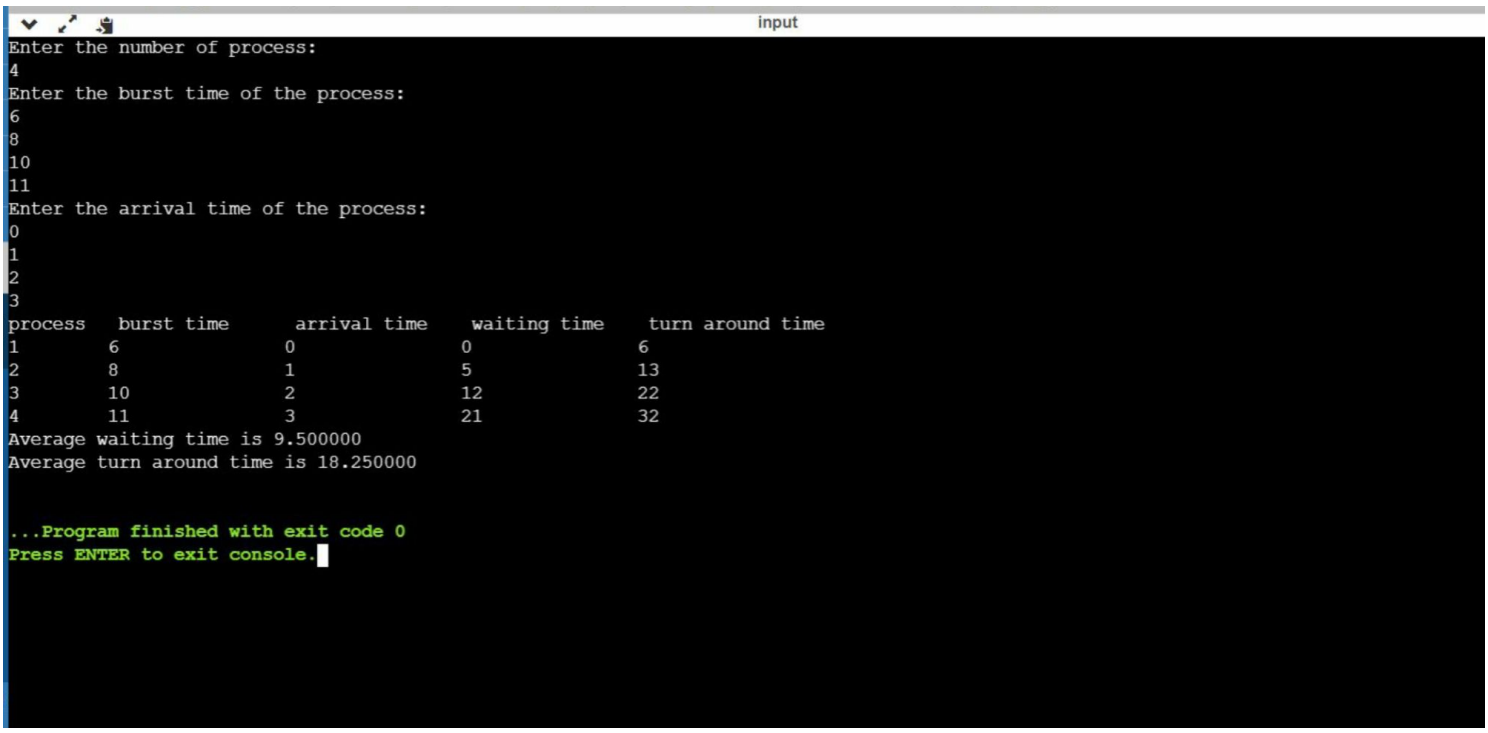
Malvi
19.09.21

```c
/*****************************************************************************/
#include<stdio.h>
#include<conio.h>
#define max 20
void main()
{
    int i , j , n , bt[max] ,at[max] ,  wt[max] , tat[max] , temp[max];
    float awt=0 , atat =0;

     printf("Enter the number of process:\n");
     scanf("%d" ,&n);
     printf("Enter the burst time of the process:\n");
     for(i=0;i<n;i++)
        scanf("%d" ,&bt[i]);
    printf("Enter the arrival time of the process:\n");
    for(i=0;i<n;i++)
        scanf("%d" ,&at[i]);
    temp[0]=0;
    printf("process\t  burst time\t  arrival time\t  waiting time\t  turn around time\n");

    for(i=0;i<n;i++)
    {
        wt[i]=0;
        tat[i]=0;
        temp[i+1]=temp[i]+bt[i];
        wt[i]=temp[i]-at[i];
        tat[i]=wt[i]+bt[i];
        awt=awt+wt[i];
        atat=atat+tat[i];
        printf("%d\t %d\t\t %d\t\t %d\t\t %d\n" , i+1 , bt[i] , at[i] , wt[i] , tat[i]);
    }
    awt = awt/n;
    atat = atat/n;
    printf("Average waiting time is %f\n" , awt);
    printf("Average turn around time is %f\n" , atat);

    getch();
}
```


input
Enter the number of process:
4
Enter the burst time of the process:
6
8
10
11
Enter the arrival time of the process:
0
1
2
3
process burst time arrival time waiting time turn around time
1 6 0 0 6
2 8 1 5 13
3 10 2 12 22
4 11 3 21 32
Average waiting time is 9.500000
Average turn around time is 18.250000
...Program finished with exit code 0
Press ENTER to exit console.