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Section :- 2A

Q- Write a C program to implenent FCFS scheduling algorithms, and find out the turnaround time - - - - - - - - - - - respectively.

Ans:

```c
# include <stdio.h>
# include <conio.h>
# define max 30
Void main()
{   int i, j, n, bt[max], at[max], wt[max], tat[max], temp[max];
    float awt = 0; a tat = 0;

    clrscr();
    printf("Enter the no of process");
    scanf("%d", &n);
    printf("Enter the burst time of the process");
    for (i=0; i<n; i++)
        scanf("%d", &bt[i]);

    printf("Enter the arrival time of the process");
    for (i=0; i<n; i++)
        scanf("%d", &at[i]);

    temp[0]= 0;
    printf(" process \t burst time \t arival time \t
            waiting time \t turn around time \n");

    for (i=0; i<n; i++)
```

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```c
{
    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%d\t%d\t%d", i+1, bt[i], at[i],
            wt[i], tat[i]);
}

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

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Rupesh