Name — Ayushi
Course — BSC IT
Section — 'B'
Roll no. — 2023044
Student Id — 20052050
Father's name — Satya Narayan
Campus — D. Dun

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Q:- Write C program to implement FCFS scheduling algorithms.

=> Source Code :-

```
#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, atat=0;
  printf ("Enter the no. of process");
  scanf ("%d", &n);
  printf ("Enter the arrival time of the process");
  for (i=0; i<n; i++)
       scanf ("%d", &at[i]);
```

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```
printf("Enter the burst time of process");
for (i=0; i<n, i++)
    scanf ("%d", &bt[i]);
temp[0]=0;
printf ("\n process \t arrival time \t burst 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 ("\n%d \t\t %d \t\t %d \t\t %d \t\t %d",
      i+1, at[i], bt[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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