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DATE

Name - lovejeet singh mehta
Student ID - 2005C1123
Course - BSc IT
Subject - PBI 202 (Operating system)
Ans (2)

```
#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;
    }

    // sorting of burst times
    for (i = 0; i < n; i++)
    {
        pos = i;
        for (j = i+1; j < n; j++)
        {
            if (bt[j] < bt[pos])
                pos = j;
        }
    }
}
```



```
avg-tat = (float) total/n;  
printf("\n\nAverage waiting Time  
= %f", avg-wt);  
printf("\n\nAverage Turnaround Time  
= %f\n", avg-tat);  
}
```

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.