

Enter no. of Process 4

Enter burst time of Process 5 4 1 3

Enter the arrival time of Process 0 1 2 3

Process	bt	AT	WT	TAT
1	5	0	0	5 TAT
2	4	1	4	8
3	1	2	7	8
4	3	3	7	10

avg WT = 4.500

avg TAT = 7.75



FCFS

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
#define max 30
```

```
void main() {
```

```
    int i, j, n, b + [max], a + [max], w + [max], t a + [max],  
    temp [max];
```

```
    float out = 0, wait = 0;
```

```
    clrscr();
```

```
    printf("Enter no. of process");
```

```
    scanf("%d", &n);
```

```
    printf("enter burst time of Process");
```

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

```
        scanf("%d", &b[i]);
```

```
    }
```

```
    printf("enter the arrival time of process");
```

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

```
        scanf("%d", &a[i]);
```

```
    temp[0] = 0;
```

```
    printf("Process \t burst time \t arrival time \t waiting  
time \t turn around)
```

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

Enter no. of Process = 4

Enter the process no. 1 2 3 4

Enter the burst time of Process

3

2

5

7

PID	BT	WT	TAT
2	2	0	2
1	3	2	5
3	5	5	10
4	7	10	17

avg WT = 4.2500

avg TAT = 8.50

Teacher's Signature:

tat[i] = 0;

temp[i+1] = temp[i] + bt[i];

wt[i] = temp[i] - at[i];

tat[i] = ~~temp[i]~~ wt[i] + bt[i];

awt = awt + wt[i];

atat = atat + tat[i];

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

}

awt = awt/n;

atat = atat/n;

printf ("average waiting time = %d/n", awt);

printf ("average turn around time = %d/n", atat);

getch();

}

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```
Print f ("enter the Process no. ");  
for (i = 0; i < n; i++) {  
    scanf ("%d", & p[i]);
```

```
}
```

```
Print f ("enter the burst time of process");
```

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

```
    scanf ("%d", & bt[i]);
```

```
}
```

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

```
    for (j = 0; j < n - i - 1; j++) {
```

```
        if (bt[j] > bt[j+1]) {
```

```
            t = bt[j];
```

```
            bt[j] = bt[j+1];
```

```
            bt[j+1] = t;
```

```
            t = p[j];
```

```
            p[j] = p[j+1];
```

Teacher's Signature:



$p[j+1] = t;$

}

printf("Process\t burst time\t working time\t turnaround
time\n");

for ($i=0; i < n; i++$) {

wt[i] = 0;

tat[i] = 0;

for ($j=0; j < n; j++$) {

wt[i] = wt[i] + bt[j];

}

tat[i] = wt[i] + bt[i];

awt = awt + wt[i];

stat = stat + tat[i];

printf(" %d\t %d\t %d\t %d\t %d\n", p[i], bt[i],
wt[i], tat[i],

}

awt = awt / n;

stat = stat / n;

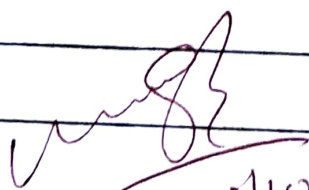
printf("average waiting time = %d\n", awt);

printf("average turn around time = %d\n", stat);

getch();

}

}


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