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Ans 2 #include <stdio.h>
int main()

{
int bt [20], p [20], wt [20], tot [20], i, j, n, total = 0,
pos, temp;

float avg - wt, avg - tot;
printf ("Enter number of process:");

scanf ("%d", &n);

printf ("\n Enter Burst Time: \n");

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

printf ("p %d: ", i+1);

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

p[i] = i+1;

pos = i;
for (j = i+1; j < n; j++)

if (bt[j] < bt[pos])

pos = j;

temp = bt[i];

bt[i] = bt[pos];

bt[pos] = temp;

temp = p[i];

p[i] = p[pos];

p[pos] = temp;

wt[0] = 0;

for (i = 1; i < n; i++)

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{
    wt[i] = 0;
    for (j = 0; j < i; j++)
        wt[i] += bt[j];
    total += wt[i];
}

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avg - wt = (float) total / n;
total = 0;

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printf("In Process Time Burst Time Waiting Time Turnaround Time");

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

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

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    printf("Inp %d\t\t %d\t\t %d\t\t %d\t\t %d\t\t %d", p[i], bt[i], wt[i], tat[i], total, avg - wt);

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}

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avg - tat = (float) total / n;

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printf("In Average waiting Time = %f", avg - wt);

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printf("In Average Turnaround Time = %f", avg - tat);
}

```

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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.