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round
beared

| Number of process
d) average Turn around time = Total Turn around time
| Number of process print the results in an order.

~~so~~ Step 10: stop

Source code:-

#include <stdio.h>

main()

{
int p[20], bt[20], pri[20], wt[20], tat[20];
i, k, n, temp; float wtavg, tatavg;
clrscr();

printf("Enter the number of processes");

scanf("%d", &n);

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

{
 p[i] = i;

printf("Enter the Burst Time & priority of process
 i);

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

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

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

~~for (k = i~~ if (pri[i] > pri[k])

{

 temp = p[i];

 p[i] = p[k];

 p[k] = temp;

 temp = pri[i];

 pri[i] = pri[k];

 pri[k] = temp;

}

7/1 Sum 12 per
Sum 12 per 12

```

wtavg = wt[0] = 0; // wtavg = wt[0] - bt[0];
for (i = 1; i < n; i++)
{
    wt[i] = wt[i-1] + bt[i-1];
    tat[i] = tat[i-1] + bt[i];
    wtavg = wtavg + wt[i];
    tatavg = tatavg + tat[i];
}

```

printf("Process | Priority | Burst Time | Waiting Time | Turnaround time");

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

```
printf(" %d | %d | %d | %d | %d | %d | %d",
       p[i], pri[i], bt[i], wt[i],
       tat[i]);
```

printf("Average Turnaround Time is %f",

chart: 6/10
19/7/23
getch();

Input
Enter number of Process - 5
Enter burst time & priority of process 0 - 10
Enter burst time & priority of process 1 - 1
Enter burst time & priority of process 2 - 2
Enter burst time & priority of process 3 - 1
Enter burst time & priority of process 4 - 5
Waiting Time Turnaround Time

| Process | priority |
|---------|----------|
| 1 | 5 |
| 4 | 10 |
| 0 | 2 |
| 2 | 1 |
| 3 | 5 |

| Waiting Time | Turnaround Time |
|--------------|-----------------|
| 0 | 6 |
| 6 | 16 |
| 16 | 18 |
| 8 | 19 |

