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```
#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
}
 for(i=0; i<n; i++)
{
   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++)
{
    wt[0]=0;
    for(j=0; j<i; j++)
    wt[i]+ = bt[j];
    total + = wt[i];
}
avg-wt = (float) total/n;
total = 0;
printf("\n\Process\t Burst Time\t Wating
Time\t Turnaround time");
for(i=0; i<n; i++)
{
    tat[i] = bt[i]+wt[i];
    total + = tat[i];
printf("\n\np %d\t\t %d\t\t %d\t\t %d",
%d, p[i], bt[i], wt[i], tat[i]);
}
avg-tat = (float) total/n;
printf("\n\nAvrage Waiting time= %f,
avg_wt);
```

```
Printf("\n Average Turnaround Time = %.f\n",
  avg_tat);
}
```

```
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

Process returned 0 (0x0)   execution time : 19.949 s
Press any key to continue.
```