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Ans-2. Answers.

```
#include <stdio.h>
int main()
{
int
bt[20], p[20], wt[20], tat[20], i, j, n, total = 0 f
0s temp;
float avg-wt, avg-tat;
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;
}
for(i=0:i<n;i++).
{
pos = i
for(j=i+1;j<n:j++).
{
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[i] = 0 ;
     for(j=0; j<i ; j++)
     wt[i] += bt[j];
     total += wt[0];
}
}
avg_wt = (float) total/n;
total = 0;
printf("\n process \t Burst time \t waiting
    time \t turnaround time");
for (i=0; i<n; i++)
{
    tat[i] = bt[i] + wt[i];
    total += tat[i];
printf("\n p%d \t\t %d \t\t %d \t\t %d", p[i],
                                bt[i], wt[i], tat[i]); }
avg_tat = (float) total/n;
printf("\n\n Average waiting
Time = %f", avg_wt);
printf("\n Average turnaround
Time = %f\n", avg_tat);
}.
```