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2)
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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++).
{
```

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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[i];
}
avg_wt = (Float) total/n;
total = 0;
Printf("\n Process \t Burst time \t Waiting Time \t
Turnaround Time");
```

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```
For (i=0; i<n; i++)
{
tat[i] = bt[i] + wt[i];
total += tat[i];
Printf("\np %d \t\t %d \t\t %d \t\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);
}
```

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