```c
#include <stdio.h>
int main()
{
int A[100][4];
int i, j, n, total = 0, index, temp;
float avg_wt, avg_tat;
printf("Enter number of process: ");
scanf("%d", &n);
printf("Enter Burst Time:\n");
for (i = 0; i < n; i++) {
printf("P%d: ", i + 1);
scanf("%d", &A[i][1]);
A[i][0] = i + 1;
}
for (i = 0; i < n; i++) {
index = i;
for (j = i + 1; j < n; j++)
if (A[j][1] < A[index][1])
index = j;
temp = A[i][1];
A[i][1] = A[index][1];
A[index][1]= temp;
temp = A[i][0];
A[i][0] = A[index][0];
```

```
25  A[index][0]= temp;
26  }
27  A[0][2] = 0;
28  for (i = 1; i < n; i++) {
29  A[i][2] = 0;
30  for (j = 0; j < i; j++)
31  A[i][2] += A[j][1];
32  total += A[i][2];
33  }
34  avg_wt = (float)total / n;
35  total = 0;
36  printf("P BT WT TAT\n");
37  for (i = 0; i < n; i++) {
38  A[i][3] = A[i][1] + A[i][2];
39  total += A[i][3];
40  printf("P%d %d %d %d\n", A[i][0],A[i][1],A[i][2], A[i][3]);
41  }
42  avg_tat = (float)total / n;
43  printf("Average Waiting Time= %f", avg_wt);
44  printf("\nAverage Turnaround Time= %f", avg_tat);
45  }
```

```
Enter number of process: 4
Enter Burst Time:
P1: 8
P2: 3
P3: 5
P4: 7
P BT WT TAT
P2 3 0 3
P3 5 3 8
P4 7 8 15
P1 8 15 23
Average Waiting Time= 6.500000
Average Turnaround Time= 12.250000

=== Code Execution Successful ===
```