```c
#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("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++) {
            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;
    }
```

```c
    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("\nP\tBT\tWT\tTAT\n");
    for (i = 0; i < n; i++) {
        tat[i] = bt[i] + wt[i];
        total += tat[i];
        printf("p%d\t%d\t%d\t%d\n", p[i], bt[i], wt[i], tat[i]);
    }
    avg_tat = (float)total / n;
    printf("\nAverage Waiting Time = %.2f", avg_wt);
    printf("\nAverage Turnaround Time = %.2f\n", avg_tat);
    return 0;
}
```

```
Enter number of process: 5
Enter Burst Time:
p1: 5
p2: 2
p3: 8
p4: 7
p5: 3

P   BT  WT  TAT
p2  2   0   2
p5  3   2   5
p1  5   5   10
p4  7   10  17
p3  8   17  25

Average Waiting Time = 6.80
Average Turnaround Time = 11.80


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