```
#include <stdio.h>
int main()
{
	// Matrix for storing Process Id, Burst
	// Time, Average Waiting Time & Average
	// Turn Around Time.
	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");
	// User Input Burst Time and alloting Process Id.
	for (i = 0; i < n; i++) {
		printf("P%d: ", i + 1);
		scanf("%d", &A[i][1]);
		A[i][0] = i + 1;
	}
	// Sorting process according to their Burst Time.
	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];
		A[index][0] = temp;
	}
	A[0][2] = 0;
	// Calculation of Waiting Times
	for (i = 1; i < n; i++) {
		A[i][2] = 0;
		for (j = 0; j < i; j++)
			A[i][2] += A[j][1];
		total += A[i][2];
	}
	avg_wt = (float)total / n;
	total = 0;
	printf("P	BT	WT	TAT\n");
	// Calculation of Turn Around Time and printing the
	// data.
	for (i = 0; i < n; i++) {
		A[i][3] = A[i][1] + A[i][2];
		total += A[i][3];
		printf("P%d	%d	%d	%d\n", A[i][0],
			A[i][1], A[i][2], A[i][3]);
	}
	avg_tat = (float)total / n;
```

```
        printf("Average Waiting Time= %f", avg_wt);
        printf("\nAverage Turnaround Time= %f", avg_tat);
}
```