#include <stdio.h>

int main()

{

int n, i, j, bt[10], at[10], ct[10], wt[10];

printf("Enter the number of processes: ");

scanf("%d", &n);

for (i = 0; i < n; i++)

{

printf("Enter the burst time of process %d: ", i + 1);

scanf("%d", &bt[i]);

printf("Enter the arrival time of process %d: ", i + 1);

scanf("%d", &at[i]);

}

wt[0] = 0;

for (i = 1; i < n; i++)

{

wt[i] = bt[i - 1] + wt[i - 1];

}

ct[0] = bt[0];

for (i = 1; i < n; i++)

{

ct[i] = ct[i - 1] + bt[i];

}

float avg\_wt = 0, avg\_tat = 0;

for (i = 0; i < n; i++)

{

avg\_wt += wt[i];

avg\_tat += ct[i];

}

avg\_wt /= n;

avg\_tat /= n;

printf("Process\tBT\tAT\tWT\tCT\n");

for (i = 0; i < n; i++)

{

printf("%d\t%d\t%d\t%d\t%d\n", i + 1, bt[i], at[i], wt[i], ct[i]);

}

printf("Average waiting time = %f\n", avg\_wt);

printf("Average turnaround time = %f\n", avg\_tat);

return 0;

}