CODE:

#include <stdio.h>

int main()

{

int n, i;

int burst[20], wait[20], tat[20], ct[20];

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

printf("Enter number of processes: ");

scanf("%d", &n);

printf("Enter burst time for each process:\n");

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

printf("P%d: ", i + 1);

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

}

wait[0] = 0;

ct[0] = burst[0];

tat[0] = ct[0];

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

wait[i] = ct[i - 1];

ct[i] = wait[i] + burst[i];

tat[i] = ct[i];

}

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

avg\_wt += wait[i];

avg\_tat += tat[i];

}

avg\_wt /= n;

avg\_tat /= n;

printf("\nProcess\tBurst\tWait\tTAT\tCT\n");

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

printf("P%d\t%d\t%d\t%d\t%d\n", i + 1, burst[i], wait[i], tat[i], ct[i]);

}

printf("\nAverage Waiting Time = %.2f", avg\_wt);

printf("\nAverage Turnaround Time = %.2f\n", avg\_tat);

return 0;

}

SCREENSHOTS:

