```
#include<stdio.h>
int main()
  int i, NOP, sum=0,count=0, y, quant, wt=0, tat=0, at[10], bt[10], temp[10];
  float avg_wt, avg_tat;
  printf(" Total number of process in the system: ");
  scanf("%d", &NOP);
  y = NOP; // Assign the number of process to variable y
for(i=0; i<NOP; i++)
printf("\n Enter the Arrival and Burst time of the Process[%d]\n", i+1);
printf(" Arrival time is: \t");
scanf("%d", &at[i]);
printf(" \nBurst time is: \t");
scanf("%d", &bt[i]);
temp[i] = bt[i];
printf("Enter the Time Quantum for the process: \t");
scanf("%d", &quant);
printf("\n Process No \t\t Burst Time \t\t TAT \t\t Waiting Time ");
for(sum=0, i = 0; y!=0; )
if(temp[i] \le quant \&\& temp[i] > 0)
  sum = sum + temp[i];
  temp[i] = 0;
  count=1;
  else if(temp[i] > 0)
     temp[i] = temp[i] - quant;
     sum = sum + quant;
  if(temp[i]==0 \&\& count==1)
     printf("\nProcess No[%d] \t\t %d\t\t\t %d\t\t\t %d", i+1, bt[i], sum-at[i]-bt[i]);
     wt = wt+sum-at[i]-bt[i];
     tat = tat+sum-at[i];
     count =0;
  if(i==NOP-1)
  {
     i=0;
  else if(at[i+1]<=sum)
     i++;
  else
     i=0;
  }
avg_wt = wt * 1.0/NOP;
avg tat = tat * 1.0/NOP;
printf("\n Average Turn Around Time: \t%f", avg_wt);
printf("\n Average Waiting Time: \t%f", avg_tat);
return 0;
```

## output: