```
#include<stdio.h>
int main()
{
   int i, limit, total = 0, x, counter = 0, time_quantum;
   int wait_time = 0, turnaround_time = 0, arrival_time[10], burst_time[10], temp[10];
   float average_wait_time, average_turnaround_time;
   printf("\nEnter Total Number of Processes:\t");
   scanf("%d", &limit);
   x = limit;
   for(i = 0; i < limit; i++)
   {
       printf("\nEnter Details of Process[%d]\n", i + 1);
       printf("Arrival Time:\t");
       scanf("%d", &arrival_time[i]);
       printf("Burst Time:\t");
       scanf("%d", &burst_time[i]);
      temp[i] = burst_time[i];
   }
   printf("\nEnter Time Quantum:\t");
   scanf("%d", &time_quantum);
   printf("\nProcess ID\t\tBurst Time\t Turnaround Time\t Waiting Time\n");
   for(total = 0, i = 0; x != 0;)
   {
       if(temp[i] <= time_quantum && temp[i] > 0)
      {
          total = total + temp[i];
          temp[i] = 0;
          counter = 1;
      }
      else if(temp[i] > 0)
      {
```

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temp[i] = temp[i] - time_quantum;
          total = total + time_quantum;
      }
       if(temp[i] == 0 && counter == 1)
      {
          x--;
          printf("\nProcess[%d]\t\t%d\t\t %d\t\t %d", i + 1, burst_time[i], total - arrival_time[i],
total - arrival_time[i] - burst_time[i]);
          wait_time = wait_time + total - arrival_time[i] - burst_time[i];
          turnaround_time = turnaround_time + total - arrival_time[i];
          counter = 0;
      }
      if(i == limit - 1)
      {
          i = 0;
      }
      else if(arrival_time[i + 1] <= total)
      {
          i++;
      }
      else
      {
          i = 0;
      }
   }
   average_wait_time = wait_time * 1.0 / limit;
   average_turnaround_time = turnaround_time * 1.0 / limit;
   printf("\n\nAverage Waiting Time:\t%f", average_wait_time);
   printf("\nAvg Turnaround Time:\t%f\n", average_turnaround_time);
   return 0;
}
```

Enter Total Number of Processes: 4

Enter Details of Process[1]

Arrival Time: 0
Burst Time: 20

Enter Details of Process[2]

Arrival Time: 5
Burst Time: 36

Enter Details of Process[3]

Arrival Time: 13
Burst Time: 19

Enter Details of Process[4]

Arrival Time: 26
Burst Time: 42

Enter Time Quantum: 10

Avg Turnaround Time: 54.000000

Process ID	Burst Time	Turnaround Time	Waiting Time
Process[1]	20	20	0
Process[2]	36	45	9
Process[3]	19	52	5
Process[4]	42	84	42
Average Waiting Time:	19.000000		