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Course + BSC. IT
                                Section 1-21A1
Paper 1. Operating System practical Paper code 1- PB1-202
Q-2 Each process P1 p2 p3 py with arrival time and c/py
                                       and average waiting time.
       # Prolude (Stolio. 1)
        Int main ()
            int at[10], bt[10], temp[10],
            int i, smallest, (ount = 0, time, limit;
           double wit = 0, that = 0, end;
           floot awd, atot;
           printy ("In Enter the Total Number of process: \t");
           Deary (" %d", & limit);
           Printy ("In Enter Details of %d process \n" & limit).
          Jou (1= 0; 1 < limit; i++)
          { point[["In Enter Amival Time: 14");
              scarj (" %d", & at [i]);
              Paint ("Enter Burst Time: 14");
             Scarg ("%d", & b+[i]),
              demb [i] = b+[i];
    b+[9] = 9999;
            JOS (time = 0, (ount) = limit; time ++)
```

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Smallest = 9;
       joa( = 0; 1 < limid; 1++)
     if (at Ci) <= time && b+Er] < b+Esmallest] &&
         りよびコンの)
  ٤
        Smallest = i;
   bd Comallest ] - -;
   if (bt[smalles+] == 0)
     (ound ++;
     end = time + 1;
     wt = wt + end - at [smallest] - temp[ and Dmallest].
     · [tallama] to - at tent = tat
 3
3
   timil/tw = twp
  atat = tat/limit;
  prints ("In/n Average waiting Time: 1+ %1) Vh ", awt);
  Painty ("Average Turnaround Time: 1+1/1/h", atat);
   neturn U;
```

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■ "D:\Workspace\program files\Programming.exe"

Enter the Total Number of Processes

Enter Details of 4 Processes

Enter Arrival Time: 0
Enter Burst Time: 0
Enter Burst Time: 0
Enter Arrival Time: 0
Enter Burst Time: 1

Enter Arrival Time: 0
Enter Burst Time: 1

Enter Arrival Time: 0
Enter Arrival Time: 0
Enter Porst Time: 1

Enter Arrival Time: 0
Enter Burst Time: 4

Average Waiting Time: 2.750000

Average Turnaround Time: 7.000000

Process returned 0 (0x0) execution time: 20.464 s

Press any key to continue.