```
Name - Naman
Roll No - 20 23068
                                    Date - 22 6/21
Section - B
Course- BSCIT
 Subject - Operating System
 Student 1D - 2005 1051
  blue 2) # include < Atdio. h>
         # include L conjo.h)
         # include < otring . h)
         void main ()
           int ct [20], cat [10], n, i, temp, st [10], ft [19], talled;
           int totwt = 0, totta = 0;
           Hout aut, ata;
           Chan Pn [10][0], & [10];
           11 CHYSCY ()',
            pount & (" Enter the number of process ; ");
            scan ( C " 1 d 11, &n);
             for C1=0 ; iKn , 1++)
             Pount & L" Enter process name javoival time &
                      execution time "");
             1/ flushall ();
             scanf ("75.7. d'/.d", PrC); &at [], &e+[]))
             for (1=0; Kn; i++)
               bon cj=0;j<n ;j+t)
                ((i) tex (i) tex (j))
                   temp =at Ci];
```

Ned

```
clip to = lists
             at [j] = temp;
             temp = ct (i);
              et Ci] = c[i];
              et [j] = temps
              Stropy (t, pnE:J);
A LOCA BOLL
              Str CPy LPN [:], PN [:])
              Stropy Cpn Gil, ti;
          for Ci=o;i×n;i+t
    15 (1==0)
       st Ci] to- Ci] to
     else.
       st ci] = ftci-1
       Wt [i] = St [i] - at [i];
       F+Ci] = S+ Ci] + e+ Ci];
        ta Ci] = f+ Li] - at Ci]:
        totwt + = w+[i];
        totta += ta[i];
   aut = Cfloot ) totat /n;
   ara = (518et) tota/n'
    Print & ( " In Prame I tovorival time I texecution time
    bon (i=0; izn; i+T)

point L" In. 1. 6 1 +7. 5 a 1Ht 1.5 a 1 t 1 t 1 sd"
          Proc.3, at [i], e+[i], w+[i], +a [i]);
```

Aut

Print & ("In Average wating time is 17.5" and)

Print & ("In Average turnarand time is 17. F", atal;

geten ();

Out put.				
Enter	the number of processon: 4 process name, artificial time & execution time!			
Enter .	brocess homes	101010		
Entern	process name, arrival time & execution.			
Enden	process name	10201		
enter	process name, avoival time & execution process name, py 0 4			
	avrivial time	exection time	wating time	leg-time
prame	0	1	0	
P3	0	2	1	3
P4	0	64	3	7
Pi	0	10	7	17
1 2.750000				

Average wouthing time - 2.750000 Average terravourd time is 7.000000

Nanat 22/6/21

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C++
                              ec[J]=cemp;
          38
                              strcpy(t,pn[i]);
are.
          39
                              strcpy(pn[i],pn[j]);
          40
                              strcpy(pn[j],t);
         41
                                                                            input
       Enter the number of process:4
       Enter process name, arrival time& execution time:p1 0 10
       Enter process name, arrival time& execution time:p2 0 2
       Enter process name, arrival time& execution time:p3 0 1
       Enter process name, arrival time& execution time:p4 0 4
               arrivaltime executiontime
       Pname
                                               waitingtime
                                                                tatime
       p3
       D2
       p1
                                                                   17
       Average waiting time is:2.750000
       Average turnaroundtime is:7.000000
       ... Program finished with exit code 0
       Press ENTER to exit console.
```