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Name - Darshan
                        Paper Name - Operating System
Course - BSC IT
                        Paper Code - PB1202
Section - A
Roll no . - 2003047
Q2. #include < ( (dio.h)
 sint main ()
   int be(20], p(20], ret(20], tat[20], i,j,n, total = 0, pos, temp;
  flogt argut, argtat;
  Printf("Enter number of process: ");
  scanf ("1.d", &n);
  printf ("In Enter Process Burst Time In");
  for ( i=0; i<n; i++)
      print("P[:10d]:", i+1);
     scanf("I.d" & bt[i]);
      P[i] = i+1;
    for (i=0; i<n; i++)
       Pos = i:
      for (j=i+1; j <n; j++)
       if (pe[i]<pe[boz])
       7 Pos = );
       temp = bt(i);
       bt[i]=bt[pos];
      bt[pos] = temp;
       temp=p[i]i
      p(i) = p[pos];
      P[POS] = temp;
    wE[0] = 0;
```

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for (i=1; i<n; i++)
     wt[i] = 0;
    for (j=0; j<i; j++)
       ht[i] += bt[i];
  2 (0691+= Lot(i];
 qugut = (flogt) to tal/n;
 60691 = 0;
Printf("InProcess | the Burst Time | the briting Time | t Tumeround Time");
for (i= 0; i<n; i+t)
  Eat(i] = bt[i] + wt[i];
  E0 491 += 69 E[i];
2 Print(" [np[1.0d]|e|t1.0d|e|t1.0d|e|t1.0d", p[i], be[i], Le[i], tel[i]);
aught = (floot) total/n;
printf ("Inth Average waiting Time = 10.4 f" august);
Printf ("In Average Turneround Time = %. 4f(n", aug Eat);
```

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Enter	number	of	process	3:4

2

4

10

-	-	-	***
CHARLES TO	Process		Time

Enter	Process	Burst	Time

P[3]

P[2]

P[4] P[1]

P[4]:4		
Process	Burst	Time

Average Waiting Time=2.75

Average Turnaround Time=7.00

... Program finished with exit code 0

0

1

3

Waiting Time Turnaround Time

3

17

- Press ENTER to exit console.