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Course-BSC IT-2A
Subject - Operating system Practical (Mid term)
(12) #include (stdio.h)
   int main ()
   Int bt [20], p[20], wt [20], tat [20], i, j, n, total=0,
    pos, temp;
    float avg-wt, avg-tat;
    printf ("enter number of process: ");
    scanf ("10d", &n);
    pruintf ("In Enter Burst Time: \n");
     for (i=0; (<n; i++)
      pruntf ("p10d:", 1+1);
     scanf ("10d", 26t(i));
     P[1] = 1+1;
     for (i=0; i<n; i++)
      pos = 1;
      for (j=i+1;j<n;j++)
      if (bt [j] < bt [pos])
       pos = 1;
     temp=bt [i];
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     bt[i]=bt [pos];
    bt [pos] = temp;
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temp=p[i];
 PCiJ = pcpos];
 PCpos] = temp;
 Wt[o]=0;
tose ( i= 1; icn; i+t)
 Wt[i]=0;
 for (j=0;j<1;j++)
 Wt [i] + = bt [j];
 total += wt[i];
 ang-wt = (float) total in;
 total=0;
 printf ("In Process)t
                      Burst Time It waiting time It
  Turnaround Time");
  for ( i= 0; i(n; i+t)
    tat [i] = bt [i] + wt [i];
    total t=tat[i];
    printf (" Inp'/od/t/t 1 od/t/t % od/t/t/t/d",
  PCi], bt[i], wt[i], tat[i]);
 avg-tat = (flocit) total /n;
 printf ("In/n Average woulting Time = 10 f", aug-wt);
print f ("In Average Turnaround Time = 10 f /n",
  avg-tat);
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Enter number of process: Enter Buest Time:

P1: p2: p3: p4:

	Burut Time	waiting time	Turnaround Time
93	1	0	
72	2		3
PY	4	3	7
P1	10	7	17
	and the second	- 2.750000	

Average waiting Time = 2.750000 tverage Turnaround Time = 7.000000 trerage