Graphic Esa Hill University, Dehradun Name: Ashish Panwase Section: 'A' Subject Name: Operating Univ. Roll No: 2023039 System
Subject Code: PBI-202 Student ID: 20051089 Course: B. Sc. [IT] Campus: Dehradun Sem & 2nd Sem Page No 6 (1) Ans > (2) # include < stdio. h> int absolutevalue (int); main() int queue [25], n, headposition, i, j, k, seek =0, maxange, difference, temp, queue 1 [20], queue2 [20], lemp 1=0, lemp 2=0; float average Secktime; private ("Enter the maximum range of Disk:"); Scant (" of od " from sange); psintf C" Enter the number of queue requests: "); Scanfl' God 17 In); Printf ("Enler the initial head position:11); Scant C" % d", & headposi Lion); Psintf C'Enter the disk positions to be read (queue): "); Ashish Panwar 27/08/2021

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for(i=1; i<=n; i++)
  Scanf ("lod", & temp);
if (temp>headposition)
    queue1[temp1]= temp;
  Lemp1++;
  else
    queue 2 [ Lemp 2 ] = Lemp;
   Lemp 2++;
for (i=0; i< lemp1-1; i++)
 for (j=i+1; j< lemp1; j++)
   "if (queue I [:]) queue I [;])
       Lemp=queue1[i];
       queue I [?] = queue 1 [3];
    2 queue1.[j]= Lemp;
                                  Ashish Panwase
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for (1=0; 1< lemp 2-1; 9++)
   for (j=1+1; j<lemp2; j++)
     if Cqueue2[i]<queue2[j])
       Lemp=queue 2[i];
      Hemp-queue 2 [1];

queue 2 [i] = queue 2 [j] [j];

queue 2 [j] = Lemp;
  2 So year In 1 1/1/20 South Asses Speed In 1 Million
 for (i=1; j=0; j< lemp1; i++, j++)
E queue [i] = queue = 1 [j];
queue [i] = max dange;
for (i=lemp1+2; j=0; j<lemp2; i++, j++)
  queue[i]=queue2[j];
                                 1 x x x x 1000000
queue [i]=0;
queue [o] = headposition;
for (j=0; j<=n; j++)
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difference = absolute Value Cqueue [j+1]-queue[j]);(4) Seek = Seek + difference; Psintf C"Disk head moves from position vod to vod 7 www.composition with seek % d\n", queue [g], queue [g+1], average Seek Time = Seek / (float)n; pointf ("Total seek Time = 9/0d (n" , seek); Psintfl" Average Seek Time = % of \n'; average Seek Time); int absolute value (intx) if (xxo) E Jehorn X; selwin * x*-1; Ashish Panwas

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Enter the maximum range of Disk: 99
Enter the number of queue requests: 7
Enter the initial head position: 24
Enter the disk positions to be read(queue): 12
26
24
4
42
8
50
Disk head moves from position 24 to 26 with Seek 2
Disk head moves from position 26 to 42 with Seek 16
Disk head moves from position 26 to 42 with Seek 8
Disk head moves from position 50 to 99 with Seek 8
Disk head moves from position 50 to 99 with Seek 49
Disk head moves from position 99 to 24 with Seek 47
Disk head moves from position 24 to 12 with Seek 12
Disk head moves from position 12 to 8 with Seek 4
Disk head moves from position 8 to 4 with Seek 4
Disk head moves from position 8 to 4 with Seek 4
Process exited after 148.7 seconds with return value 0
Press any key to continue . . . _
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C:\Users\ASHISH PANWAR\Documents\11111.exe