GRAPHIC ERA HILL UNIVERSITY, DEHRADON Name: Nincorno Agrawal Section; B Date: 23/Aug/2021 Uni. Rollno: 2023072 Student Id: 20052055 Course: BSCIT Subject Name: Operating Bystom Lab Sem: 2 Page No: 1 Subject Look: PB1-202 disk aun moves. Ques 2: Suppose Code: # include <stdio.h > int absolute Value (int); void main () int queue [25], h, headphores ition, i, j, k, seck = 0, temp, queuce, maxiange, difference, queucitéd, queue2 [20], temp I=0, temp 2=0; float average seek Time; print f ("Enter the maximum range of Disk:"); Scant ("Y.d", & max lange); print of ("Enter the seeing number of queue requests:"); scanf ("/d", 2n); punt f ("Enter the initial head position:"); scanf ("/d", Eheadposition); print f ("Enter the disk positions to be read (quene):"): for (1=1; i <= n; 1++) scanf ("Yd", & temp); i) (temp > headposition)

Niveesta

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queue 1 [temp 1] = temp;
   temp 1++;
 else
  queue 2 [temp 2] = temp;
   temp 2++;
for (1=0; 1< temp -1-1; 2++)
     for (j=1+1; j < temp 1; j++)
       if (queue 1[i] > queue 1[i])
        temp = queue 1[1];
queue 1[i] = queue 1[j];
          queue (J] = temp;
       for (i=0; 1 < temp 2 - 1; l++)
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Hirrorda

ton (j=1+1; ] < temp 2; j++) y (queue 2 [i] < queue 2 [j]) temp = queue 2 [i]; queue 2[i] = queue 2[j]; guene 2[j] = temp; for (121; 1 = 0; ) < temp 1; (++) j++) queue [i] = queue 1[i]; queue [i] = maxlange; for (i=temp (+2,j=0;j<temp2;i++,j++) queue [i] = queue 2 [j]; gucue [i] = 0; queue [0] = headposition; for ( i= 0; j <= n; j++) difference = absolute Value (queue (j+1)queuc []);

Vince

seek = seek + difference; print f ("Disk head moves from position 1/d to 1/2 with seek 1/d no", queue [j], queue [j+1], difference); print f ("Total seek Time = 1/d n", seek); print f ("Average / Seek Time = 1/. f | n",
average seek. Time); int absolute Value (int x) if (x>0) return X;

Huneenta

Enter the number of queue requests: 7 1 Enter the initial head position: 50 1Enter the disk positions to be read(queue): 82 1170 143 1,140 1,24 1,16 1,190 Disk head moves from position 50 to 82 with Seek 32 Disk head moves from position 82 to 140 with Seek 58 Disk head moves from position 140 to 170 with Seek 30 Disk head moves from position 170 to 190 with Seek 20 Disk head moves from position 190 to 199 with Seek 9 2Disk head moves from position 199 to 43 with Seek 156 2Disk head moves from position 43 to 24 with Seek 19 2Disk head moves from position 24 to 16 with Seek 8 2|Total Seek Time= 332 Average Seek Time= 47.428570 Process exited after 139.2 seconds with return value 0 Press any key to continue . . .

Tell religion to the maximum range of bisk. 199