Name! - Privilika Chaudhary Roll No! - 2023078 Student 2d!-2005 2056 Date; -27 August, 2024 Course! - 850(1) 6 emester! - 2 Section! - 13 Subject Name! - Operating System Practical Subject Code! - PBI-202 Step 1! - Start = 3+1/2! - Let request array represent an array server that have been I requested in ascending arden af their time of curival. head is the parition of disk bed is moving towards lefto ar sight. 5+h4! - In the direction in which hold is moving isbevices all tracks one by one. 5th 5! - Calculate the abtaloute distance and the tracks from the head. Step 6!— An coment the testal seak count with this instance the reviewed truck parition now tecomes the new head parition. The beach at one of the step 8:— One to step 4 until we reach at one of the end of the disk reverse the step 9!—If we reach out the end of the clists reverse the step 9!—If we reach out the all tracks in regular array direction of 90 to when 5 with all tracks in regular array have not been served in a step 10!—Step

Coding # include L woldier, h> int absolute Value (int), void main () ind queene[25], n, headpasition, i, i, k, week=0: maxiange, diff, temp, quet \$50], que 2 20], temps tenh 2 =0 huinst (60 Exter the mais reange of dish; "); buint ("Enter the number of queue request")
weart ("Food", fn), hunt ("Enter the initial head farition!");
weart ("%) d", I headhasition);
weart ("%) d", I headhasition);
hunt ("Enter the disk fare fron to be read (quag farli=+; ikn; i+t) iscarf ("00/od" ftent) if temp > headharition) queue & [temp 1) = temp, tempt++, queue 2[ten/2]=ten/; ten/2+ti

foul(i=0, iltemp1-1, itt) forthi = i++1', i (tenh + ii ++) if queue +61) queece +6] Jenh = queme + list; queme + list = quemelist; quemelist = tenh; starli=0', iltemp2-+, i++) for( = i+1, i Ltenh 2, i ++) if queue 2 [i] queue 2[i] temp = queue 261, queue 261 = queue 261, queue 261 = temp, Fourli=t; j=0; j/tempt; int, j++) queueli] = queue +[j], queue [i] = max range; larli=temp ++2 j=0;1/temp2; i++vi+)

nenell = quene 267) querele] = o'
querele] = headparition; for(i=0,i/=n,i++) diff = absolute Value (que une [j+1]-que me [j])

seek = seek + difference

huint (" Disk head makes from hose tion o/od

huint (" Disk head makes from hose tion o/od

for o/od with seek o/od \ n"; que une [j-7, que une

[j+1], difference); average seek time = seek/(flood) n', seek); wird (00 Total seek time = 0/0 d) n', seek); wird (00 Average beek Time = %oft n', average) wird (00 Average beek Time = %oft n', average) reek time); int absolute Value (inta) if (alo) ireturna, else meteren xx + +1 レイナナナイルアニ 1 1 100

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4 , 4
 Enter the maximum range of Disk: 100
 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 42 to 50 with Seck 8
 Disk head moves from position 50 to 100 with Seek 50
 Disk head moves from position 100 to 24 with Seek 76
 Disk head moves from position 24 to 12 with Seek 12
 Disk head moves from position 12 to 8 with Seek
 Disk head moves from position 8 to 4 with Seek 4
 Seek Time= 172
  verage Seek Time= 24.571428
 Samsung Quad Camera
 Shotwith my Galaxy 43th exit code 0
  Press ENTER to exit console.
```