Course - BSCIT Name-Harsh Rawat Driversity call no - 2023057 SEM-2 Student ID - 20132036 Sub Name - Operating System Sub Code - PBI-202 Page NO-1 Cobe # include (stdio. ~) int absolute Value (int); Void mair () ent queue [25], n, Mead position, i, j, k, seet = 0; queue Cro], queue 2 (20), temp 1=0 maxiange, difference temp.

temp 2 = 0; Float avelage seek Time; plintf(" Enter the maximum range of Disk:"); printf ("Entel the Number of queue lequests."); printf ("Enter the intial Head position");
Scant ("1.1.4", 4 Moad position); print ( ! Enter , the disk position to be read (quees):"); Fol (i=1; i <= n; i++) DATE-27/8/21

Scar f ("1.1.d", & temp); 0 if (temp > Head position) quene Iliterpi]= temp; temp i++; queue 2 [ temp 2] = temp; temp 2 ++; Le (i=0; (tent 1-1; i++) P fol(j=j+1; j < temp 1; j+1) ¿ if (queue 1(i) < queue 1(i)) temp = queue [[i];
queue [[i] = queue [[i];
queue [[i] = queue tomb; que (i) = temp; fol (i=1 j=0; j<temp1; i+1,j+4) queme (i) - queme (i); 2 queve (i) = maxinge;

to (i=temp 1+2;=0;; <temp 2:; ++1) quene [i] = quene 2 [i]; Juene (1)=0; quene (0) = headpostlion; A (j=0; j c=n;j+1) difference = absolute value (quave (;+1) - quave (; ); print f (" Disk head mores from position 1.4 + 0.1.4 With Seek . /. d | n') queue (;), queue (j+1). difference); avelage Seek Tihe = seek/(flood)9n; feint f ("Total seek Tine = 1/4 \n", seek); plint f (" Avelage Seek Tire = 1/. 4/h". avelage seek Tire); it assolute value (it x) 1 i/(x>0) Letuer x; à ceture x -1;

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Enter the number of Requests

7
Enter the Requests sequence
12
26
24
4
42
8
50
Enter initial head position
24
Enter total disk size
100
Total head movement is 170
PS C:\Users\hp\c programming\operating system>
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