## GRAPHIC ERA HILL UNNERSITY

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uni Roll No - 2023/11 Spin- 2 Spic- A Campus - Dehoadn Oate - 27/08/2021 Subject - operating System Lab

Code

# Inc lude < stdio - h> my absvalue(in); void main () 5 mit queve [25], n, head, i, i, k, seek = 0, maxrange; int difference, temp, quever [20], quever [20], tmp 1 = 0, tmp 2 = 0; Paintf ( " Enter the mox. dange of Disk:"); Stanf (" 7-2", 8 ma 1 dange); Point I' " Enter the no of glow request"); s(anf(117-2", 5n); Point I "En to the initial head position") > gant 147-dis, shead posit; PAINH (" Intro the disk position to be dead :"); for(j=1; i=n; i++) Sanflu your, stamp); if (trop > hard) & owner Ctmps ] = tmp; tmp++;

```
else
   queue 2 Etmp27 = tmp;
   tmp2++;
foo(i=0; j<tmps-1; j++) &
         too (j=i+1;j<+mp1;j++) {
               it (quare I [i] > que [j]) &
                 tmp = gwwel[i];
                 quiverij = quiver [j];
                 QWUPE; ] = tmp;
      $68 (j=0:,i < tmp2 -1;j++) 5
         tor(j=i+1;j<+mp2;j++) s
            if (quarez [i] < quarez [j]) 3
                tmp = queuez [1];
               quercia = quercija;
               QWUPZEjJ= tmp;
      for(1=1) i=0; jetmpl; +++, s++)
         que [] ] = que le [] ];
```

```
quoelij = mortange;
  tool i = tmp1+2, j = 0; j < tmp2; i++, j++) 2
        QUEUP[J] quar [j];
   QUIPCID = 0;
  que PEO J = head;
  Ada (j=0 ;j<=n;)++) s
      difference = absvalue ( quive = 1] - quive [; ]);
      Elle = 201 + difference;
 Point 14 Total head movement = xd Ihi, slok);
int absvalue (in) x)
3 iA (x >0)
 else
   getion 1*-1;
```

```
C:\Users\ASUS>cd "C:\Users\ASUS\AppData\Local\Temp\" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "C:\Users\ASUS\AppData\Local\Temp\"tempCodeRunnerFile 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
Total head movement= 172
```