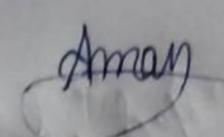
```
Name - Aman Singh
Uni. Roll no. - 2023026
Std ID - 20051032
Subject - Operating System
```



```
(1601-1836 possi Kalmal) A.
Ansz>
                                                                                                                                                              21/20/5 (18/1.) HOUSE
                                                                                                                                                                                         The state of the s
              # include < stdio.h>
                   int absolute Value (int);
                       void main ()
                              int
                   queve [25], h, headposition, i,j, K, Seek = 0,
                                max Hange,
                                           difference, temp, queve 1[20], queve2[20],
                                                      temp 1 = 0, temp 2 = 0;
                                 Printf ("Enter the maximum stange of Disk:");
                                     Scanf ("% d", & max Hange);
                                        Paintf ("Enter the number of queue requests:");
                                          S(anf ("%d", &h);
                                           Printf("Enter the disk positions to be read (queue):);
                                           for (i=1; i<=h; i++)
```

```
Scanf ("ofod", Ltemp);
           if (temp> head position)
               S & anf ("% d", & temp);
if (temp)
                                                                                                                                                                                            et orbit s shirting
                   queue 1 [temp 1] = temp;
                                  temp 1++;
            else
                                                                      med and the objection of the sales of the
                           queue 2 [temp2] = temp;
                                        temp2++;
                                                                                                                           temple to a design for the design for
                              - C- SHARE - SPECIAL AND SHARE AND SHARE S
               For (i=0; i<temp1-1; i+t)
                                                                                                          The section of the section of the
                     for(j=j+1;j<temp1;j+t)
if (queue 1[i])> queue 1[j]
```

```
temp = queue I [i];
  queue I [i] = queue I [j];
   queue I [j] = temp;
               Falle El 3 Sue vous Fig and
  Fox (i=0; i< temp2-1; i++)
for (j=1+1; j< temp2; j++)
               Males of perspension
  if (queue 2 [i] < queue 2 [j])
  temp = queue 2 [i];
  queue 2 [i] = queue 2 [j];
   queue 2 [j] = temp;
```

```
Fox (i=1,j=0; j< +emp 1; i++, j++)
   queue [i] = queue [[j];
  queue [i] = max range,
  For (i = temp 1+2, j = 0; j < temp2; i++, j++)
    queue ci7 = queue 2 [j];
   queue [i] = 0;
   queue [0] = headposition;
   for(j=0;j<=n;j++)
     différence = absolute value (queue [j+1]-
       queuc[j]);
      Seek = Seek + difference;
```

```
Printf ("Total head movement = 40d \n", Seek);
int absolute Value (int x)
  il (x>0)
   Hetronx;
 else
   Heturn XX-1;
                              Amay
```

```
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
Total head movement= 170

...Program finished with exit code 0
Press ENTER to exit console.
```