Mani: Shubbon sigh Sorongi foll no: 2093008 Subject: Operating System Campers: Hardroni.

Exercit

02 A

Hindudi (Stolio.h)

int obsolutivalue (int);

voidmain() {

int que [25], n, had Parition, i, k, sek=0,

Maschage; tol

int difference, thep, quew[20], queu2[20], fenp120, temp2=0;

Print F("Entr he moscimum Longe of disk"); Seumf("%d", & Masonerge);

mintf(. "Enter me namber 8 quim requited:"); Sourf ("%d", UN);

Prints (" futur he initial head brition"); Seart (" "1.0 " head Portion);

mitt ("Entrone disk Rosition to be Read (queins);

for (i=1; i2 rv; i+t) {

Scarf ("Y.d", b temp);

inf (remp mead (oschions)

2 queue (temp) - temp)

temp1 t+;

```
Pune 2[temp] = temp;
   renp2 +rf;
 for (i=o; ixterp. 1; i++)
    { for (j=i+1;j<derb);j++)}{
      if (quui [i')) queve (Ci)) {
           temp = quem [[i];
           queie ([i] = queie ([j];
          queul[J] = tent;
for (1=1; J=0; j(denpl; i++, J++) {
        quine [i] = queue ! [5]
grene [i] = masorange;
Par (i= terp)+2;J=0;J(terp2;i++,j++){
     quell (i) = quem 2(J);
 queue [i] =0;
quie [0] = headpoision;
For (j=0;j (=h;j++) {
 difference 2 absorbte value (open (i+1)-
  quem (JJ) j
```

```
Suk - Suk + difformai;
 Printf (" Oirk had mour from Position "I'd to "I'd
    whick seek 1.d In ", que Ci], quut [j+1],
    differer.
3
Printf (" rotal suktime 1. d'h" sulc);
   int absolute (it x)
     il (x70) §
       Potwinx j
      elsi
        fetum at-1;
```

```
Enter the maximum range of Disk: 50
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 Seek 8
Disk head moves from position 50 to 50 with Seek 0
Disk head moves from position 50 to 24 with Seek 26
Disk head moves from position 24 to 12 with Seek 12
Disk head moves from position 12 to 8 with Seek 4
Disk head moves from position 8 to 4 with Seek 4
Total Seek Time= 72
PS C:\Users\acer\Desktop\array practice.c>
```

TERMINAL