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GRAPHIC ERA HILL UNIVERSITY D. DUN
                 CAMPUS: - DEHRADUN
Mame: - Shikha Bohala
                      4niv. Roll no! - 2023097
Student ID: - 20052011 COUNCE: - BSC IT Section:-A
Subject name: - os Pagetical Subject code: -
Page no: - 1

Signatuale: - sukha
D9te: - 27-08-21
Woodst - Fit Memory Management
#include < stoio.h)
#include < conjo.h)
## Qetine max 25
                       void main ()
    Aug [max], b[max], 4[max], 1,1, mb,
 nt, temp? highest = 0;
static aut pt [max], tt [max];
Print + (c) n/+ Memory Management Scheme -
WOOYSE FIE");
parnet ( « mentea the number of blocks: ");
scant (" / @" & nb);
paint / ce entea the number of files: ");
scant (c. 1. 0", or 2);
puint# (") nenteur the size of the blocks:-
+04 (1=1; 1<= mb; 1++)
puint+ ("Block 1.0: "; i);
```

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signatume: - shirt
 scant ( (c), 0", 4 p[i]);
| puint = [ " Enteu the size of the files: - | m"];

tou ( i = 1; i < = m +; i + +)
 puint = ("Fre y.o:");
scant [ cc y.o" y + [1]);
                                          A state of a mitter of the
                                           -1-33-19 39 3913 1011 15
                                           CONTRACTOR LIFE TO THE
中的人(=1; )(= n并; )十十)
                                               To have to have briefly
    4004 (j=1; j<= nb; j++)
              14 ( highest & temp
```

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Page no.:-3
                            signatume: - shikhs
Hung [i] = highest;
P$[ tt[i]] = 1;
highest = o;
Parint + [cc] n File_no: | + File_size: | + Block_no
: \ t Block _ size: \ 2 Foragement ");
704 ( 1=1; i<= n+; i++)
bainff (cc/w/.0/f/f/f/.0/f/f/f/.0/f/f/f/.0/f/f/
y. @"; r, f[i], #f[i], b[ff[i]], #stag [i]);
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Walter Day Languet
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Student 11: - 20052011 cougse: - BSC 17 section: - A
Subject name: - 05 Pagettegl subject coole:-
Page no: - 1 Signatuule: - sukha
Date: - 27-08-21
                   anifind many dank life
             dans from the first the
#include < staio. h>
int absolute Value (int);
                           FFFINITE
voice marn ()
   Int queue [25], n, headposition, I, j, k, seek = 0,
   maxyange, Oittemence, temp, queue 1 [20],
   94e4e2[20], temp1 = 0, temp2 = 0;
   flogt average Seek Time;
    Print+ (ce enter the maximum range of Disk: ");
    scant (cc.). D., & max Hange);
   paint + | cc enteau the number of queue
    requests: ");
   scant ("/ d", &m);
   paint 1 ("Enteau the Pnitial head
    pocition: ");
   scant (c'y.o", & headposition);
```

```
signatuaje! - shikha
puint + (cc Enteur the Oick positions
Me90 (queue): ");
                      scant ( cc /. 0" ot temp);
                      it (temp) headposition)
                                               queue [ temp ] = temp;
                                               templ++;
                                                  94 eue 2 [temp2
                                                  temp 2 + + ;
                                                                                                                    the factor of the second secon
 704 ( i = 0; i < temp! - !; i++)
                     404 ( ]= i+1; j< temp1; j++)
                         77 (queue 1 [i]) queue 1 [j])
                                                               temp = queue 1 [i];
                                                                queue 1 [i] = queue 1 [j];
                                                                 queue 1 [j] = temp;
```

```
Page no: -3 Signatuoie! - slikha
  704 [1=0; 1< temp2-1; 1++)
                404 (j=1+1; j < temp2; j++)
                   E it (queue 2 [i] L queue 2 [j])
                                     temp = queue 2 [i];
queue 2 [i] = queue 2 [i];
queue 2 [j] = temp;
                                                      The state of the s
  404 ( P=1, j=0; j< temp1; j++, j++)
                       queue [i] = queue 1. [j] i
   queue [i] = maxyange;
+04 | i = temp1 + 2, j=0; j< temp2; i++,
                  queue [i] = queue 2 [j];
queue[i] = 0;
```

```
signatuule: - shikhs
94eue [0] = headposition;
404 (j=0; j<=m; j++)
   Qittence = absolute value (queue [9+1] }
    - queue [[]);
seek = seek + Qiffemence;
    paint f (cc Dick head moves fained
    position 1.00 to 1.00 with seek
    1.0 m" queue [j], queue [j-1];
average Seer Time = seer/(float)n;
payint+ ("Total seek Time = 1/0/n", seek);
paint 1 ("Aveauge seek Time = 1. 4/m"
avedlage Seek Time);
                 absolute Value (8nt oc)
mt
    17 (0 (x)
       return oc;
              oc * -1
       se tuno
```

```
1 // C Program to Simulate SCAN L
2 //visit www.nanogalaxy.org for
3
4 #include<stdio.h>
5 int absoluteValue(int); // Decl
6
```

```
input
Enter the maximum range of Disk: 9
Enter the number of queue requests
: 7
Enter the initial head position: 1
2
Enter the disk positions to be rea
d(queue): 12,26,24,4,42,8,50
Disk head moves from position 12 t
o 99 with Seek 87
Disk head moves from position 99 t
o 12 with Seek 87
Disk head moves from position 12 t
o 12 with Seek 0
Disk head moves from position 12 t
o 12 with Seek 0
Disk head moves from position 12 t
o 12 with Seek 0
Disk head moves from position 12 t
o 12 with Seek 0
Disk head moves from position 12 t
o 12 with Seek 0
Disk head moves from position 12 t
o 12 with Seek 0
Total Seek Time= 174
Average Seek Time= 24.857143
... Program finished with exit code
 0
Press ENTER to exit console.
```