University Dehradus Graphic Era Kul Univ Roll No. 1 2023063 Name: Kritika Rawat Date: - 27 Aug 2021 Student 1d - 20052021 course! - BSCIT Sec! - A Sub Name: - Operating System Sieb Code! - PBI-202 Sen :- 2 worst Fit Memory Management Scheme Hindude Kordio. h) Put main () printf ("InIt It It Memory Management" "- Worst Fit"); ent i, j, notocles, nfiles, temp, top=0; int frag [10], blocks[10], files[10],

Static ent block all [10], file-all [10]; fruit f ("In Enter the Total Number of Blocks:"); Scant (" Y.d", Entlocky);

printf ("Enter the total Number of Files:"); Scant ("I'd", Enfiles);

printf ("In Enter the Size of the Blocks: \n"), for (i=0; i<nblody; i++)

printf ("Block No. 'rd: \t", it 1); Scarf ("1.2", & blocks [i]);

printf ("Enter the Size of the Files: \n"); for (i=0; i< nfiles; i++)

print ("File No. 1/d: \t", i+1);

puille

```
Scanf ("Y.d", & feles [i]);
for (i= 0; i< nfiles, i++)
for (j=0; j< notocles; j++)
if Check- art [j]!=1)
temp = blocks [j] - files [ i],
if (temp >= 0)
if (top & temp)
file-aurti1-j
top= temp;
frag [i]= top;
block air [file areti] = 1;
top =0;
printf ("In File Number I tile Size It Block Number It Block
  Size (t fragment");
for (iz0; éxnfiles; i++)
 print ("In % 2) t/t / d/t/t/d/t/t/d, i, filesti),
   file all [i], blocks [file aur [i]], frag[i]);
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wrest_fit.c - c programming - Visual Studio Code
So Run Terminal Help
TERMINAL
          PROBLEMS OUTPUT
                        Memory Management - Worst Fit
Enter the Total Number of Blocks: 3
Enter the Total Number of Files: 2
Enter the Size of the Blocks:
Block No.1:
               5
Block No.2:
                2
Block No.3:
Enter the Size of the Files:
File No.1:
                1
                4
File No.2:
File Number
                File Size
                                Block Number
                                                Block Size
                                                                 Fragment
0
1
                4
                                8
                                                 5
                                                                 9
PS C:\Users\hp\c programming\operating system>
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University Dehradun Graphic Eva Hill Name: Keetika Lawat Univ Roll No. 1- 2023063 Student Id: - 20052021 Date: - 27 Aug 2021 Sieb Name + Operating System Course: BSCIT Sec. A Sub code: - PBT-202 Sen: - 2 2) Scandish Hinchede (stdio.h) #include Kstellibs h} int main () Pur ROCIOOJ, é, j, n, Totalle ad Movement =0, initial, size, move; print f ("Enter the trumber of Requests \n"); s canf ("/d", &n); printf ("Enter the Requests sequence (n"); for (i=0; Kn; i++) Scant (" rd", & RQ[i]), britte "initial head position In"); Scanf ("1.d", Sinitial); printf (" Enter total disk size (n'); scanf ("/d", Ssize), for (izo; i(n; i++) for (j=0;j<n-i-1;j++) if CROCjJ>ROCj+1J) ent temp; temp = RQ[j]; KOCjj=ROCj+1J) Kantika RO[j+1] = temp;

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Which there have the
 Hilly misself, remighting
                                  inches which telligible
 int index;
for (=0; i<n; i++)
                                Branch desires round
      ef (initial < RO[i])
   index = i;
break;
                                   a Muscell Branch
   for Ci= index; ix+)
       Total Head Movement = Total Head Movement + abs (ROLI)-
                                initial);
  initial=ROTis;
     Il last movement for max size.
Total Read moment = Total Read Moment + abs (size-RO[i-1]-1);
 enitial = size-1;
 for ( i= index = 1; i7=0; i--)
   Total Kead Moment = Total Head Moment tabs (RO[i]-initial);
  initial=ROCiT;
 printf ("Total head movement is /. d", Total Nead Moment);
returo;
```

```
TERMINAL
isk.c -o os2_scan_disk } ; if ($?) { .\os2_scan_disk }
Enter the number of Requests
Enter the Requests sequence
12
26
24
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>
```

os2_scan_disk.c - c programming - Visual Studio Code

Go Run Terminal Help