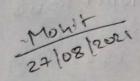
```
Nome Mohit Rana
Roll. No 2023067
Subject Operating System
```

Monit 27/08/2021

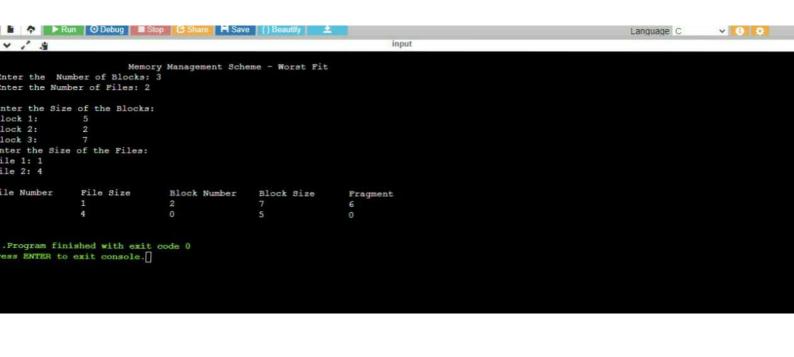
```
Ches: 1
Ans Code
```

```
#include < stdio.h>
2
    Intmain()
3
4
    Printf("In/f/+1+ Memory Management
S
    "Scheme - Worst fit");
 6
    inti,j. ublocks, ufiles, temp, top=0;
    int frag [10], blocks[10], files[10];
    Static int block arr [10], file arr [10];
8
    printf ("In Enter the Number"
9
10
    "of 310cks:");
    Scanf ("%d" &nblocks);
11
    pointf ("Enter the Number"
12
     " of files: ");
13
    Scanf ("1.d", &n files);
14
    printf ("In Enter the Size of the"
15
    "Blocks: \n");
16
    for (izO; i < nblocks; i++)
17
18
     printf ("Block Y.d: \t", i+1);
19
     Scanf ("t.d", & blocks [i]);
20
21
    printf ("Enter the Size of the"
22
    "files: \n");
23
    for (izo; ix ntiles; i++)
24
25
     printf ("file 1. d: 1+", i+1;
     scant ("yd", &file [i]);
```

Name Monit Rana Roll. No. 2023067 Subject Operating System



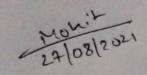
```
for (iz 0; i < nfiles; i++)
30
    if (block_arr(j) 1=1) for (j=0; j < nblocks; i++)
31
32
    if (plack-ass():31=1)
33
34
    tempzblock[j]-files[i];
35
36
    if (temp) 20)
37
    if (top (temp)
38
39
    file-arrliJzj)
40
    top z temp;
 41
 42
 43
44
    frag (i) ztop;
45
    block_arr[file_arr[i]] z1;
 46
    top 20;
 47
 48
 49
    printf ("Infile Number | + file Size | +1"
 50
    "Block Number HBlock Size It fragment").
SI
     for (izo; < nfiles; i++)
52
53
    printf ("\nxd H)+xd 1+1+xd 1+1+xd H1+xd"
54
     , i, files CiJ
SS
    file arr [i], blocks[file arr [i]], freq [i]).
56
57
     printf ("In"):
 58
 59
     return 0;
 60
```



```
# include < stdio. h>
Void main()
  inti, j, n, h, temp = 0, dend = 199, hts, sum = 0, countel;
  int rq [100], sq [100];
  Printf ("In Enter No. of Processes: ");
  Scanf ("1.d", &w);
  Printf ("In Enter Head value: ");
 Scanf("1.d", 8h)
 printf ("In Enter elements into Request Quene");
 for (izo; i(n; i++)
   Scan f(" y.d", & og [i]);
  rg[i]zh;
  89[i+1]20;
 for (izo, i < n; i++)
 for (j=0;j<n-1;j++)
 ij(rg[j])rg[j+1])
 temp zrq [j];
 og [j] erg[j+1];
 rg[j+1]ztemp;
```

```
fur (120:14n;1++)
   if (rg[i]2h)
hPoszi-1;
   break;
       Sq CoJzh;
  printf("Inscheduling In");
  11 (n < (d End-h))
 tor (izhPos; i>zo; i--)
  Sq [coun+] zrq [i];
  Count++;
 printf("Ity.d", rg(i);
 for (izh Postl; i++)
 sq [count] = rq[i];
 Count ++;
printf ("1+1d", rg[i]):
else
for (izhPos+1; ikn; i++)
Sq[coun+] zrq[i],
Count++;
printf ("Ityd", rg [i];
```

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for (izhPus; i> 20; i--) sq [coun +Jz rq Ci3; Count ++; brint ("1+1,9", 20 (1)); printf ("In Head Movements:"), for (izo; i(n; i++) \$ if (sq[i]>sq[i+1]) Sum+ 2 (sq (i) -sq [i+1]); else Sum+= (sq [i+1]-sq[:]); printf ("1.d in", sum);

