

Graphic Era Hill University, Dehradun
(Answer Sheet for Online Examination Aug. 2021)

Please tick (✓) your campus: (DEHRADUN/BHIMTAL/HALDWANI)

Name: Shruti Rawat Univ. Roll No. 2023101 Student ID 20052116
Date: 27/8/21 Course: BSCIT Branch: IT Sem.: 2nd Section: B
Subject Name: Operating System Subject Code: PBI-202 Page No. 1

```
ans: #include <stdio.h>
#include <conio.h>
#define max 25
void main()
{
    int
    frag[max], b[max], f[max], i, j, nb, nf, temp, highest = 0;
    static int bf[max], ff[max];
    clrscr();
    printf("In 1st memory management scheme - worst fit");
    printf("In enter the number of blocks :");
    scanf("%d", &nb);
    printf("Enter the number of files :");
    scanf("%d", &nf);
    printf("In enter the size of the blocks :");
    for (i = 1; i <= nb; i++) { printf("Block %d : ", i);
        scanf("%d", &f[i]); }
    for (i = 1; i <= nf; i++)
    {
        for (j = 1; j <= nb; j++)
        {
            if (bf[j] != 1) { temp = b[j] = f[j];
                if (temp > 0)
                {
                    if (highest < temp) {
                        ff[i] = j;
                        highest = temp; }
                }
            }
        }
        frag[i] = highest;
        bf[ff[i]] = 1;
        highest = 0;
    }
}
```


Signature of Student

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Name: Shruti Univ. Roll No. 2023101 Student ID 20052116
Date: 27.8.21 Course: BSC Branch: IT Sem: II Section: B
Subject Name: Operating Sys Subject Code: BSI-201 Page No. 2

```
printf("\nfile_no: \t file_size: \t Block_no: \t Block  
size: \t fragement");  
for (i = 1; i <= nf; i++)  
    printf("\n%d \t %d \t %d \t %d \t %d",  
i, fi[i], ff[i], D[ff[i]], frag[i]);  
    getch();  
}
```


Signature of Student

Memory Management Scheme - Worst Fit
 Enter the number of blocks:3
 Enter the number of files:2

Enter the size of the blocks:-

Block 1:5

Block 2:2

Block 3:7

Enter the size of the files :-

File 1:1

File 2:4

File_no:	File_size :	Block_no:	Block_size:	Fragment
1	1	3	7	6
4	4	1	5	1