

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

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

Name: Naman Univ. Roll No. 2023068 Student ID 20051051 Date: 27/8/21
Course: BSC.IT Branch: Hill Sem.: II Section: B
Subject Name: Operating System Subject Code: PB1-202 Page No. 1

Ans 1

Code

```
#include <stdio.h>
#include <conio.h>
#define max 25

void main ()
{
    int frag [max], f [max], i, j, nb, nf, temp,
    static int bf [max], ff [max];
    clrscr ();

    printf ("Init Memory Management Scheme -  
worst Fit");
    printf ("\n Enter the number of blocks:");
    scanf ("%d", &nb);
    printf ("Enter the number of files:");
    scanf ("%d", &nf);
    printf ("\n Enter the size of the blocks:- \n");
    for (i = 1; i <= nb; i++) { printf ("Block %d!",  
i); scanf ("%d", &bf[i]); }
    printf ("\n Enter the size of the files:- \n");
    for (i = 1; i <= nf; i++) { printf ("File  
%d: ", i); scanf ("%d", &f[i]); }

    for (i = 1; i <= nf; i++)
    {
        for (j = 1; j <= nb; j++)
```

Signature of Student

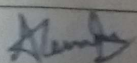
Graphic Era Hill University, Dehradun (Answer
Sheet for Online Examination Aug. 2021)

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

Name: Naman Univ. Roll No. 2023068 Student ID 20051051 Date: 27/8/21
Course: BSC.IT Branch: Null Sem: II Section: B
Subject Name: Operating System (Lab) Subject Code: PBI-202 Page No. 2

```
{  
    if (bf [i] != 1) // If bf [i] is not allocated  
    {  
        temp = b [i] - f [i];  
        if (temp >= 0)  
        {  
            if (highest < temp)  
            {  
                ff [i] = j;  
                highest = temp;  
            }  
        }  
    }  
    frag [i] = highest;  
    bf [ff [i]] = 1;  
    highest = 0;  
}  
print f ("In File no: It File - size: It Block no:  
It Block Size : It Fragment ");  
for (i = 1; i <= nF; i++)  
    print f ("In %d It %d It %d It %d It %d It %d",  
        i, f [i], ff [i], b [ff [i]], frag [i]);  
getch ();  
}
```

Output


Signature of Student

Online C Compiler

Run Debug Stop Share Save Beautify

main.c

```
1 /******  
2  
3  
4 Online C Compiler.  
5 Code, Compile, Run and Debug C program online.  
6 Write your code in this editor and press "Run" button to compile and execute it.  
7 *****  
8
```

NAMAN 20051051

Input

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:	Fragement
1	1	3	7	6
2	4	1	5	1

...Program finished with exit code 0

Press ENTER to exit console.