

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

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

Name: Mohd. Salman Univ. Roll No. 2092003 Student ID: 20051059
Date: 27-08 Course: BSC Branch: I.T Sem.: 2 Section:
Subject Name: OS Practical Subject Code: Page No. ①

```
21 #include <stdio.h>
{
    int fragments[10], blocks[10], files[10];
    int m, n, number-of-blocks, number-of-files, temp, temp=0;
    static int block_arr[10], file_arr[10];
    printf("\n enter number of blocks");
    scanf("%d", &number-of-blocks);
    printf("\n enter number of files");
    scanf("%d", &number-of-files);

    scanf("%d", &); printf("\n enter the size of blocks: \n");
    for (m=0; m < number-of-blocks; m++)
    {
        printf("Block no [%d]:", m+1);
        scanf("%d", &blocks[m]);
    }

    printf("\n enter the size of the files: \n");
    for (m=0; m < number-of-files; m++)
    {
        printf("File no. [%d]:", m+1);
        scanf("%d", &files[m]);
    }

    for (n=0; n < number-of-blocks; n++)
    {
        if (block_arr[n] != 1)
        {
            temp = blocks[n] - files[m];
            if (temp >= 0)
            {

```

Signature of Student

Salman
27-08

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

Name: Mohd. Salmaan Univ. Roll No. 2093003 Student ID 20051059
Date: 27-08 Course: BSC Branch: IT Sem.: 2 Section:
Subject Name: OS Practical Subject Code: Page No. 2

```
if (top < temp)
{
    file - arr[m] = n;
    top = temp;
}
}
}
}
fragments[m] = top;
block - arr[file - arr[m]] = 1;
top = 0;
}
}
printf("In file number it file size it block number it
      block size it fragment");
for (m=0; m < number of files; m++)
{
    printf("In %d it %d it %d it %d", m, file[m],
    file - arr[m], block [file - arr[m]], fragments[m]);
}
printf return 0;
}
```

Signature of Student

Salmaan
27-08

Select C:\Users\ms966\Documents\worst fit.exe

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]: 7

Enter the Size of the Files:

File No.[1]: 1

File No.[2]: 4

File Number	File Size	Block Number	Block Size	Fragment
0	1	2	7	6
1	4	0	5	0

Process exited after 16.82 seconds with return value 0

Press any key to continue . . .