

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

Please tick (✓) your campus: (DEHRADUN/BHIMTAL/HALDWANI)  
Name: Chirag, Patiyali Univ. Roll No. 2093992 Student ID. 20051118  
Date: 27/8/21 Course: BSC Branch: Halduwari Sem.: 2 Section: it  
Subject Name: OS Practical Subject Code: Page No. 1

del. # include <studio.h>

int main()

{

int fragments[10], blocks[10], files[10];  
int m, n, number\_of\_blocks, number\_of\_files, temp, top=0;  
static int block\_ara[10], file\_ara[10];  
printf("\nEnter the total Number of Blocks: \t");  
scanf("%d", &number\_of\_blocks);  
printf("Enter the total number of files: \t");  
scanf("%d", &number\_of\_files);  
printf("\nEnter the size of the Blocks: \n");  
for(m=0; m<number\_of\_blocks; m++)  
{  
printf("Block No. [%d]: \t", m+1);  
scanf("%d", &block\_ara[m]);

}

printf("Enter the size of the files: \n");  
for(m=0; m<number\_of\_files; m++)

{

printf("File No. [%d]: \t", m+1);  
scanf("%d", &file\_ara[m]);

}

for(m=0; m<number\_of\_blocks; m++)

{

if (block\_ara[m] != 1)

{

temp = block\_ara[m] - file\_ara[m];  
if (temp >= 0)

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(Answer Sheet for Online Examination Aug. 2021)

Please tick (✓) your campus: (DEHRADUN/BHIMTAL/HALDWANI)  
Name: Chirag Mathur Univ. Roll No. 2093002 Student ID 20051118  
Date: 27/07/21 Course: BSC Branch: Haldwani Sem.: 2 Section: IT  
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("File Number | File Size | Block Number | Block  
Size | Fragment");  
for (m = 0; m < number_of_files; m++)
```

```
{  
    printf("%d | %d | %d | %d | %d", m, file_arr[m],  
    block_arr[file_arr[m]], fragments[m]);  
}
```

```
printf("\n");  
return 0;  
}
```

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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 40.27 seconds with return value 0

Press any key to continue . . . ■