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Course - B.Sc IT

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```
#include <stdio.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_size[10], file_size[10];
    printf("Enter the Total Number of blocks:\n");
    scanf("%d", &block_size[0]);
    printf("Enter the Total number of files:\n");
    scanf("%d", &file_size[0]);
    printf("Enter the size of the files:\n");
    scanf("%d", &n);
    for(m=0; m<n; m++)
    {
        printf("Enter the size of the block No.%d:\n", m+1);
        scanf("%d", &blocks[m]);
        printf("Enter the size of the file No.%d:\n", m+1);
        scanf("%d", &files[m]);
    }
    for(m=0; m<n; m++)
    {
        printf("Enter the size of the file No.%d:\n", m+1);
        scanf("%d", &files[m]);
    }
    for(m=0; m<n; m++)
    {
        for(n=0; n<number_of_files; n++)
        {
            if(files[n] > blocks[m])
                printf("File %d can't be stored in block %d\n", n+1, m+1);
        }
    }
}
```

```
{  
    if (block->arr[n] == 1)  
        temp = blocks[n] - files[m];  
        if (temp >= 0)  
            if (top < temp)  
                file->arr[m] = n;  
                top = temp;  
            }  
        }  
    }  
  
    fragments[m] = top;  
    block->arr[file - arr[m]] = 1;  
    top = 0;  
    }  
}  
  
printf ("%d %d %d %d %d %d %d %d %d %d  
\\t Block size fragment");  
for (m=0; m < number - nf; m++)  
    {  
        cout << endl;  
        cout << m+1 << endl;  
        cout << files[m] << endl;  
        cout << blocks[m] << endl;  
        cout << fragments[m] << endl;
```

γ point $f(\alpha_n)$,
return
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C:\Users\HP\OneDrive\Desktop\out.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 40.27 seconds with return value 0

Press any key to continue . . .