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ques:- 1.)

```
#include <stdio.h>
int main ()
{
    printf ("%n|t|t|t Memory management "" - Worst Fit);
    int i, j, nblock, nfiles, temp, top = 0;
    int frag [ ], blocks [ ], files [ ];
    static int block - arr [ ], file - arr [ ];
    printf ("%n Enter The total number "" of Files : ");
    scanf ("%d", & nfiles);
    printf ("%n Enter the size of the "" blocks: (n)");
    for (i = 0; i < nblocks; i++)
    {
        printf ("% Block No. %d: |t", i + 1);
        scanf ("%d", & blocks[i]);
    }
```



```

printf ("Enter the size of the " "Files : \n");
for (i = 0; i < nfiles; i++)
{
    printf ("File No %d: \t", i+1);
    scanf ("%d", &files[i]);
}
for (i = 0; i < nfiles; i++)
{
    for (j = 0; j < nblock; j++)
    {
        if (block_arr[j] - files[i];
        if (temp >= 0)
        {
            if (top < temp)
            {
                file_arr[i] = j;
                top = temp;
            }
        }
        frag[i] = top;
    }
}

```

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```
frag[i] = top;
```

```
block_arr[file_arr[i]] = 1;
```

```
top = 0;
```

```
}
```

```
}
```

```
printf("%d\n File number | t File Size | t\n\n Block  
Number | t Block size | t Fragment ");
```

```
for (i = 0; i < nfiles; i++)
```

```
{
```

```
printf(("%d\n File "%d | t | t %d | t | t %d | t | t %d"  
i, files[i],
```

```
file_arr[i], blocks[file_arr[i]], frag[i]);
```

```
}
```

```
printf("%d\n");
```

```
return 0;
```

```
}
```

Ayush

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h Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help



ymb "C:\Users\hp\Documents\worst fit.exe"

# Memory Management - Worst Fit

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 returned 0 (0x0) execution time : 31.724 s

Press any key to continue.