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```
#include <stdio.h>
int main()
{
    printf("|\n|t|t|t Memory management "" -
    Worst Fit "");
    int i, j, nblocks, nfiles, temp, top = 0;
    int frag[10], blocks[10], files[10];
    static int block - arr[10], files - arr[10];
    printf("|\n Enter the Total Number "" of Blocks
    :");
    scanf("%d", &nblocks);
    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("|\n Block No. %d: |t", i+1);
        scanf("%d", &blocks[i]);
    }
    printf("|\n 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<nblocks; j++)
```

```
{
```

```
if(block_ava[j] != 1)
```

```
{
```

```
temp = blocks[j] - files[i];
```

```
if(temp >= 0)
```

```
{
```

```
if(top < temp)
```

```
{
```

```
file_ava[i] = j;
```

```
top = temp;
```

```
}
```

```
}
```

```
}
```

```
}
```

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

```
block_ava[file_ava[i]] = 1;
```

```
top = 0;
```

```
}
```

```
}
```

```
printf("In File Number \t File Size \t" "Block  
Number \t Block Size \t Fragment ");
```

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

```

<
printf("n %d | t | t | %d | t | t | %d | t | t | %d | t | t | %d ", i, files[i], file_arr[i],
blocks[file_arr[i]], frag[i]);
}
printf("\n");
return 0;
}

```

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_