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Name: Himanshu Taneja Univ. Roll No. 2021056 Student ID: 09026913  
 Date: 22/6/21 Course: B.Sc.it Branch: I.T. Sem: 1<sup>st</sup> Section: B  
 Subject Name: Operating (Practical) Subject Code: ..... Page No. 1

Ans 1:- Solution

```
#include <stdio.h>
```

```
int main()
```

3

```
printf("\n|+|+|+Memory Management"-Worst Fit");
```

```
int i, j, nblocks, nfiles, temp, top = 0;
```

```
int flag [10], blocks [10], files [10];
```

```
static int block_arr[10], file_arr[10];
```

```
printf("\nEnter the Total number " of blocks:");
```

scanf("%d", &n<sup>blocks</sup>);

```
printf("Enter the total number "" of files :");
```

```
scanf("%d", &nfiles);
```

```
Printk("\n Enter the size of the " "Blocks: \n");
```

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

3

```
printf("Enter the size of the file: \n");
```

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

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```
printf("Block No. %d: %t", i+1);
```

```
scanf("%i", &d, &blocks[i]);
```

3

```
3. print("Enter the size of the 'files:n'");
```

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

4

Signature of Student  
Himani Taneja

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

Please tick (✓) your campus: (DEHRADUN/BHIMTAL/HALDWANI)  
Name: Mimmi Tanaya Univ. Roll No. 2023058 Student ID 20052047  
Date: 22/8/21 Course: Bsc. IT Branch: IT Sem: 3rd Section: B  
Subject Name: Operating System Subject Code:          Page No. 2

```
Printk("file no. %d\n", i+1);
scanf("%d", &files[i]);
}
for(i=0; i< nfiles; i++)
{
    for(j=0; j< nblocks; j++)
    {
        if(block-arr[j]!=1)
        {
            temp = blocks[j] - files[i];
            if(temp >= 0)
            {
                if(top < temp)
                {
                    file-arr[i] = j;
                    top = temp;
                }
            }
        }
    }
    flag[i] = top;
}
```

Signature of Student

Mimmi Tanaya



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(Answer Sheet for Online Examination Aug. 2021)

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

Name: Himani Taneja Univ. Roll No. 2013058 Student ID 20052147  
Date: 9/2/21 Course: Bec. it Branch: IT Sem: 2nd Section: B  
Subject Name: Operating (Practical) Subject Code: ..... Page No. 3

```
block-arr[file-arr[i]]=1;
top = 0;
}
}
printf ("\n File Number \t file size \t " "Block Number \t
\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 [files-arr[i]], frag[i]);
}
printf ("\n");
return 0;
}
```

Signature of Student

Himani Taneja

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
1	1	2	7	6
4	4	0	5	0

-----  
Process exited after 32.34 seconds with return value 0

Press any key to continue . . .