

Name Akansha Raturi Subject Operating System End term
Student I'd 20052106 Subject Code :- PBI-202
Uni. Roll No 2023109 Branch Dehradun
Course / Section B.Sc.IT(A)
Semester II

```
1 #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_av[10], file_av[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 < nblock; i++)
    {
        printf("Block No. %d : ", i+1);
        scanf("%d", &block[i]);
    }
    printf("\n Enter the size of the "" files : \n");
    for (i = 0; i < nfiles; i++)
    {
        for (j = 0; j < nblocks; j++)
        {
            if (block_av[j] != 1)
            {
                temp = block[j] - files[i];
                if (temp >= 0)
                {
                    file_av[i] = j;
                }
            }
        }
    }
}
```



```

    top = temp;
    frag[i] = top;
    block-arr[file-arr[i]] = 1;
    top = 0;
    printf("In file Number \t file Size \t Block Number\n\t Block Size \t Fragment");
    for (i=0; i<nfiles; i++)
    {
        printf("In %d \t %d \t %d \t %d \t %d", i,
            files[i],
            file-arr[i], blocks[file-arr[i], frag[i]]);
        printf("\n");
    }
    return 0;
}

```

Inshe
21/8/2021.

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 exited after 32.34 seconds with return value 0
Press any key to continue . . .