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Subject Name - O.S Practical

Subject Code - PBI-202

Ques

Sol.

```
#include <stdio.h>
int main()
{
    printf("In |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], file_arr[10];
    printf("In Enter the total Number ""of Blocks:");
    scanf("%d", &nblocks);
    printf("Enter the total Number ""of files:");
    scanf("%d", &nfiles);
    printf("In 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]);
    }
}
```

27/8/21

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```

for (j=0; j < nfiles; j++)
    for (j=0; j < nblocks; j++)
        if (blockarr[j] != 1)
            temp = blocks[j] - filearr[j];
        if (temp >= 0)
            if (top < temp)
                filearr[i] = j;
            top = temp;
}
printf("In file Number %d file size (%d Block Number)\n"
       "Block size \t fragment\n");
for (i=0; i < nfiles; i++)
{
    printf("\n%#d\t%#d\t%#d\t%#d\n", filearr[i], blocks[filearr[i]], frag[i]);
}
return 0;
}

```

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### **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_