Ans 1 →

```c
#include <stdio.h>
int main()
{
    int fragments[10], blocks[10], files[10];
    int m, n, number_of_blocks, number_of_files, temp, top=0;
    static int block_arr[10], file_arr[10];
    printf("\n Enter the total Number of blocks :\t");
    scanf("%d", &number_of_blocks);
    printf("Enter the Total Number of files :\t");
    scanf("%d", &number_of_files);
    printf("\nEnter the Size of the Blocks :\n");
    for (m=0; m < number_of_blocks; m++)
    {
        printf("Block No.[%d]:\t", m+1);
        scanf("%d", &blocks[m]);
    }

    printf("Enter the Size of the files :\n");
    for (m=0; mi < number_of_files; m++)
    {
        printf("File No.[%d]:\t", m+1);
        scanf("%d", &files[m]);
    }
```

```
for (m = 0; m < number_of_files; m++)
{
    for (n = 0; n < number-of-blocks; n++)
    {
        if (block_arr[n] != 1)
        {
            temp = blocks[n] - files[m];
            if (temp >= 0)
            {
                if (top < temp)
                {
                    file_arr[m] = n;
                    top = temp;
                }
            }
        }
    }
    fragments[m] = top;
    block_arr[file_arr[m]] = 1;
    top = 0;
}
```

Anoj

```c
Print f ("\nFile Number\tFile Size\t Block Number\tBlock
   Size \t Fragment");

for (m = 0 ; m < number_of_files ; m++)
{
   Printf ("\nFile
   Print f ("\n %d\t \t.l.d \t\t.l.d \t \t.l.d \t\t.l.d",
      m , files [m] , file_arr [m], blocks [file_arr
   [m]] , fragments [m]);
}

   printf ("\n");

   return 0;
}
```

```
Run    Debug    Stop    Share    Save    {} Beautify              Language  C
                                         input

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                                   I
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


...Program finished with exit code 0
Press ENTER to exit console.
```