GRAPHIC ERA HILL UNIVERSITY

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Subject - Operating System Lab
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Code :-

```
#include <stdio.h>
#include <conio.h>
# define max 25
void main()
{
int frag[max], b[max], f[max], i, j, nb, nf, temp, highest = 0;
static int bf[max], ff[max];
printf("\n \t Memory Management scheme - First fit");
printf("\n Enter the no. of blocks:");
scanf("%d", &nb);
printf("Enter the no. of files:");
scanf("%d", &nf);
printf("\n Enter the size of the blocks:-\n");
for(i = 1; i < nb; i++)
{
printf("Block %d", i);
scanf("%d", &b[i]);
}
printf("Enter the size of the files:-\n");
```

Yashaj:

```
for(j=1; j<=nf; j++)
{
 printf("File %d : ", j);
 scanf("%d", &ff[j]);
}
for(j=1; j<=nf; j++)
{
 for(j=1; j<=nb; j++)
 {
 if(bf[j]!=-1)
 {
 temp = b[j] - f[i];
  if(temp>=0)
  {
  ff[i]=j;
  break;
  }
 }
}
frag[i]= highest temp;
bf[ff[i]]=1; highest=0;
}
printf("\n File_no:\t File_size:\t Block_no:\t Block_size:\t fragment");
for(i=1; i<=nf; i++)
printf("\n%d\t\t%d\t\t%d\t\t%d\t\t%d", ff[i], f[i], ff[i], b[ff[i]], frag[i]);
getch();
}
```

```
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
C:\Users\ASUS\AppData\Local\Temp>c
```