NAME => Rohit Singh Course => BSC I.T STUDENT ID => 2005087
ROLL NO => 2023089, SEC => B , SUB => OS END TERM PRACTICAL
SIGN =>

CODE

```
#include<stdio.h>
#include<conio.h>
#define max 25
void main()
{
int frag[max], b[max], f[max], i, j, nb, nf, temp;
Static int bf(Max), ff[max];
printf("\n\t Memory Management scheme- first Fit");
printf("\n Enter the number of blocks: ");
scanf("%d", &nb);
printf("Enter the number of files: ");
scanf("%d", &nf);
printf("\nEnter the size of the block: \n");
for(i=1; i<=nb; i++)
{
printf("Block %d:", i);
scanf("%d", &b[i]);
}
printf("Enter the size of the files :-\n");
for(i=1; i<=nf; i++)
{
printf("File %d:", i);
scanf("%d", &f[i]);
}
for(i=1; i<=nf; i++)
{for(j=1, j<=nb; j++)
{if(bf[j]!=1)
{temp = b[j] - f[i];
if(temp>=0)
```

```
        ff[i]=j
        break;
    }
}
frag[i]=temp;
b[ff[i]]=1;
}
printf("\n file no:\tFile_size:\tBlock_no:\tBlock_size:
                                    \tFragement");
for(i=1;i<=n;i++)
printf("\n%d\t\t%d\t\t%d\t\t%d\t\t%d",i,f[i],
                                    ff[i],b[ff[i]],frag[i];
getch();
}
```

```
PS E:\PROGRAMMING\c programs> cd "e:\PROGRAMMING\c programs\" ; if ($?) { gcc code.c -o code } ; if ($?) { .\code }

        Memory Management Scheme - First 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:                                                  F
ragement
1               1               1          5
4
2               4               3          7
3
```