ROLL NO: 230701036	
Exp:10b	<u>First Fit</u>
Aim:	
To write a C program for implementation memory allocation methods for fixed partition using first fit	
CODE:	

NAME: ARUN MC

```
#include <stdio.h>
#define max 25
int main()
    int frag[max], b[max], f[max], i, j, nb, nf, temp;
    static int bf[max], ff[max];
    printf("\nEnter the number of blocks: ");
    scanf("%d", &nb);
    printf("Enter the number of files: ");
    scanf("%d", &nf);
    printf("\nEnter 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");
    for (i = 1; i <= nf; i++)
        printf("File %d: ", i);
        scanf("%d", &f[i]);
    for (i = 1; i \le nf; i++)
        for (j = 1; j \le nb; j++)
            if (bf[j] != 1)
                temp = b[j] - f[i];
                if (temp >= 0)
                    ff[i] = j;
                    frag[i] = temp;
                    bf[j] = 1;
                    break;
    printf("\nFile no:\tFile size:\tBlock no:\tBlock size:\tFragment");
    for (i = 1; i \leftarrow nf; i++)
"firstfit.c" 57L, 1188C
```

## **OUTPUT:**

```
Enter the number of blocks: 4
Enter the number of files: 3
Enter the size of the blocks:-
Block 1: 5
Block 2: 8
Block 3: 4
Block 4: 10
Enter the size of the files:-
File 1: 1
File 2: 4
File 3: 7
File no:
                File_size:
                                Block_no:
                                                Block size:
                                                                Fragment
```