



The image displays two screenshots of a C++ program in an IDE, showing both the source code and its execution output.

**Top Screenshot: Source Code**

```
1 #include<stdio.h>
2 #include<conio.h>
3 #include<stdlib.h>
4 int main()
5 {
6     int f[50], index[50], i, n, st, len, j, c, k, ind, count=0;
7     for(i=0; i<50; i++)
8     {
9         f[i]=0;
10        scanf("%d", &ind);
11        if(f[ind]!=1)
12        {
13            printf("Enter no of blocks needed and no of files for the\n");
14            scanf("%d", &n);
15        }
16        else
17        {
18            printf("%d index is already allocated\n", ind);
19            goto x;
20        }
21        y: count=0;
22        for(i=0; i<n; i++)
23        {
24            scanf("%d", &index[i]);
25            if(f[index[i]]==0)
26                count++;
27        }
28        if(count==n)
29        {
30            for(j=0; j<n; j++)
31                f[index[j]]=1;
32            printf("Allocated\n");
33            printf("File Indexed\n");
34            for(k=0; k<n; k++)
35                printf("%d----->%d : %d\n", ind, index[k], f[index[k]]);
36        }
37        else
38        {
39            printf("File in the index is already allocated\n");
40            printf("Enter another file indexed");
41            goto y;
42        }
43        printf("Do you want to enter more file(Yes - 1/No - 0)");
44        scanf("%d", &c);
45        if(c==1)
46            goto x;
47        else
48            exit(0);
49        getch();
50    }
51 }
```

**Bottom Screenshot: Execution Output**

```
2
Allocated
File Indexed
4----->7 : 1
4----->8 : 1
4----->1 : 1
4----->1 : 1
4----->1 : 1
4----->2 : 1
Do you want to enter more file(Yes - 1/No - 0)
0
-----
Process exited after 35.78 seconds with return value 0
Press any key to continue . . . |
```

