

```
1  #include<stdio.h>
2
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
8  for(i=0; i<50; i++)
9  f[i]=0;
10 x:printf("Enter the index block: ");
11 scanf("%d", &ind);
12 if(f[ind]!=1)
13 {
14 printf("Enter no of blocks needed and no of files for the index %d on the disk : \n", ind);
15 scanf("%d", &n);
16 }
17 else
18 {
19 printf("%d index is already allocated \n", ind);
20 goto x;
21 }
22 y: count=0;
23 for(i=0; i<n; i++)
24 {
25 scanf("%d", &index[i]);
26 if(f[index[i]]==0)
27 count++;
28 }
29 if(count==n)
30 {
31 for(j=0; j<n; j++)
32 f[index[j]]=1;
33 printf("Allocated\n");
34 printf("File Indexed\n");
35 for(k=0; k<n; k++)
```

```
19 printf("%d index is already allocated \n",ind);
20 goto x;
21 }
22 y: count=0;
23 for(i=0;i<n;i++)
24 {
25 scanf("%d", &index[i]);
26 if(f[index[i]]==0)
27 count++;
28 }
29 if(count==n)
30 {
31 for(j=0;j<n;j++)
32 f[index[j]]=1;
33 printf("Allocated\n");
34 printf("File Indexed\n");
35 for(k=0;k<n;k++)
36 printf("%d----->%d : %d\n",ind,index[k],f[index[k]]);
37 }
38 else
39 {
40 printf("File in the index is already allocated \n");
41 printf("Enter another file indexed");
42 goto y;
43 }
44 printf("Do you want to enter more file(Yes - 1/No - 0)");
45 scanf("%d", &c);
46 if(c==1)
47 goto x;
48 else
49 exit(0);
50
51 }
52
```

C:\Users\kativ\OneDrive\Documents\index file allocation.exe

Enter the index block: 5

Enter no of blocks needed and no of files for the index 5 on the disk :

5

1

3

4

2

5

Allocated

File Indexed

5----->1 : 1

5----->3 : 1

5----->4 : 1

5----->2 : 1

5----->5 : 1

Do you want to enter more file(Yes - 1/No - 0)

