

```
Project Classes Debug Untitled1.cpp
1 #include <stdio.h>
2 #include <conio.h>
3 #include <stdlib.h>
4 void recurse(int files[]){
5     int flag = 0, startBlock, len, j, k, ch;
6     printf("Enter the starting block and the length of the files: ");
7     scanf("%d%d", &startBlock, &len);
8     for (j=startBlock; j<(startBlock+len); j++){
9         if (files[j] == 0)
10             flag++;
11     }
12     if (len == flag){
13         for (int k=startBlock; k<(startBlock+len); k++){
14             if (files[k] == 0){
15                 files[k] = 1;
16                 printf("%d\t%d\n", k, files[k]);
17             }
18             if (k != (startBlock+len-1))
19                 printf("The file is allocated to the disk\n");
20         }
21     }
22     else
23         printf("The file is not allocated to the disk\n");
24     printf("Do you want to enter more files?\n");
25     printf("Press 1 for YES, 0 for NO: ");
26     scanf("%d", &ch);
27     if (ch == 1)
28         recurse(files);
29     else
30         exit(0);
31     return;
32 }
33 int main()
34 {
35     int files[50];
36     for(int i=0;i<50;i++)
37         files[i]=0;
38     printf("Files Allocated are :\n");
39     recurse(files);
40     getch();
41     return 0;
42 }
```

Compiler (4) Resources Compile Log Debug Find Results
Line: 43 Col: 1 Sel: 0 Lines: 44 Length: 1099 Insert Done parsing in 0.032 seconds

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5  int flag = 0, startBlock, len, j, k, ch;
6  printf("Enter the starting block and the length of the files: ");
7  scanf("%d%d", &startBlock, &len);
8  for (j=startBlock; j<(startBlock+len); j++){
9      if (files[j] == 0)
10         flag++;
11     }
12     if(len == flag){
13         for (int k=startBlock; k<(startBlock+len); k++){
14             if (files[k] == 0){
15                 files[k] = 1;
16                 printf("%d\t%d\n", k, files[k]);
17             }
18         }
19         if (k != (startBlock+len-1))
20             printf("The file is allocated to the disk\n");
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23         printf("The file is not allocated to the disk\n");
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25     printf("Press 1 for YES, 0 for NO: ");
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39     recurse(files);
40     getch();
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43
44

```

```
C:\Users\sruthi\OneDrive\Documents\Untitled1.cpp - [Executing] - Dev-C++ 5.11
File C:\Users\sruthi\OneDrive\Documents\Untitled1.exe
Files Allocated are :
Enter the starting block and the length of the files: 4
3
4
5
6
7
8
Project 1
1
1
1
1
1
1
The file is allocated to the disk
Do you want to enter more files?
Press 1 for YES, 0 for NO: 0

30 exit(0);
31 return;
32 }
33 int main()
34 {
35 int files[50];
36 for(int i=0;i<50;i++)
37 files[i]=0;
38 printf("Files Allocated are:\n");
```