TDM-GCC 9.2.0 64-bit Release

(globals)

Project C | prodconos.c | fifoos.c | lruos.c | optimalos.c | seqfilallocos.c

```c
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          }
19          if (k != (startBlock+len-1))
20              printf("The file is allocated to the disk\n");
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
40 recurse(files);
41 getch();
42 return 0;
43 }
```

```
Files Allocated are :
Enter the starting block and the length of the files: 16 4
16      1
17      1
18      1
19      1
The file is allocated to the disk
Do you want to enter more files?
Press 1 for YES, 0 for NO: 1
Enter the starting block and the length of the files: 12 5
The file is not allocated to the disk
Do you want to enter more files?
Press 1 for YES, 0 for NO: 1
Enter the starting block and the length of the files: 12 4
12      1
13      1
14      1
15      1
The file is allocated to the disk
Do you want to enter more files?
Press 1 for YES, 0 for NO: 0

--------------------------------
Process exited after 24.2 seconds with return value 0
Press any key to continue . . .
```