

C:\Users\mudir\OneDrive\Documents\OS13.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class

os11.cpp x OS12.cpp x OS13.cpp x

```
1 #include <stdio.h>
2
3 void firstFit(int blockSize[], int m, int processSize[], int n) {
4     int allocation[n];
5     for (int i = 0; i < n; i++) allocation[i] = -1;
6
7     for (int i = 0; i < n; i++) {
8         for (int j = 0; j < m; j++) {
9             if (blockSize[j] >= processSize[i]) {
10                 allocation[i] = j;
11                 blockSize[j] -= processSize[i];
12                 break;
13             }
14         }
15     }
16
17     printf("\nFirst Fit Allocation:\n");
18     printf("Process No. \tProcess Size\tBlock No.\n");
19     for (int i = 0; i < n; i++) {
20         if (allocation[i] != -1)
21             printf("%d\t%d\t%d\n", i+1, processSize[i], allocation[i]+1);
22         else
23             printf("%d\t%d\t\tNot Allocated\n", i+1, processSize[i]);
24     }
25 }
26
27 void bestFit(int blockSize[], int m, int processSize[], int n) {
28     int allocation[n];
29     for (int i = 0; i < n; i++) allocation[i] = -1;
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler pat

Errors: 0
Warnings: 0
Output Filename: C:\Users\mudir\OneDrive\Documents\OS13.exe
Output Size: 325.8876953125 KiB
Compilation Time: 0.16s

Line: 8 Col: 42 Sel: 0 Lines: 102 Length: 3189 Insert Done parsing in 0 seconds

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Search

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22:45 30-09-2025

First Fit Allocation:

Process No.	Process Size	Block No.
1	212	2
2	417	5
3	112	2
4	426	Not Allocated

Best Fit Allocation:

Process No.	Process Size	Block No.
1	212	4
2	417	2
3	112	3
4	426	5

Worst Fit Allocation:

Process No.	Process Size	Block No.
1	212	5
2	417	2
3	112	5
4	426	Not Allocated

Process exited after 0.08597 seconds with return value 0
Press any key to continue . . .