

CA\Users\vmudir\OneDrive\Documents\OS17.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 OS14.cpp x OS15.cpp x OS16.cpp x OS17.cpp x

```
1 #include <stdio.h>
2
3 int main() {
4     int n, m, i, j, k;
5
6     printf("Enter number of processes: ");
7     scanf("%d", &n);
8     printf("Enter number of resources: ");
9     scanf("%d", &m);
10
11     int max[n][m], alloc[n][m], avail[m], need[n][m], finish[n], safe[n];
12
13
14     printf("Enter allocation matrix:\n");
15     for (i = 0; i < n; i++) {
16         for (j = 0; j < m; j++) {
17             scanf("%d", &alloc[i][j]);
18         }
19     }
20
21
22     printf("Enter maximum matrix:\n");
23     for (i = 0; i < n; i++) {
24         for (j = 0; j < m; j++) {
25             scanf("%d", &max[i][j]);
26             need[i][j] = max[i][j] - alloc[i][j];
27         }
28     }
29 }
```

Compiler (1) Resources Compile Log Debug Find Results Console Close

Abort Compilation

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\vmudir\OneDrive\Documents\OS17.exe
- Output Size: 325.625 Kib
- Compilation Time: 0.17s

Shorten compiler pat

Line: 26 Col: 52 Sel: 0 Lines: 83 Length: 2112 Insert Done parsing in 0 seconds

28°C Mostly cloudy

Search

ENG IN

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C:\Users\vmudir\OneDrive\Do

```
7
8
9
6
5
4
Enter maximum matrix:
3
3
4
5
6
7
8
9
1
5/7
9
7
5
6
4
Enter available resources: 2
3
4
System is in an UNSAFE state. Deadlock may occur.
-----
Process exited after 53.13 seconds with return value 0
Press any key to continue . . .
```