

CA\Users\mudir\OneDrive\Documents\OS28.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 OS21.cpp OS22.cpp OS23.cpp OS24.cpp OS25.cpp OS26.cpp OS27.cpp OS28.cpp

```
19 while (1) {
20     printf("\n1. Producer\n2. Consumer\n3. Exit");
21     printf("\nEnter your choice: ");
22     scanf("%d", &n);
23
24     switch (n) {
25     case 1:
26         if ((mutex == 1) && (empty != 0))
27             producer();
28         else
29             printf("Buffer is full! Producer is waiting...\n");
30         break;
31
32     case 2:
33         if ((mutex == 1) && (full != 0))
34             consumer();
35         else
36             printf("Buffer is empty! Consumer is waiting...\n");
37         break;
38
39     case 3:
40         exit(0);
41
42     default:
43         printf("Invalid choice! Try again.\n");
44     }
45 }
46 return 0;
47 }
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

Errors: 0
Warnings: 0
Output Filename: C:\Users\mudir\OneDrive\Documents\OS28.exe
Output Size: 324.1298828125 KiB
Compilation Time: 0.19s

Line: 78 Col: 1 Sel: 0 Lines: 78 Length: 1752 Insert Done parsing in 0.016 seconds

14:48 06-10-2025

--- PRODUCER-CONSUMER PROBLEM SIMULATION ---

```
1. Producer
2. Consumer
3. Exit
Enter your choice: 1
Producer produces item 1

1. Producer
2. Consumer
3. Exit
Enter your choice: 3

-----
Process exited after 4.926 seconds with return value 0
Press any key to continue . . .
```