

4) #include <stdio.h>

```
void demofunction() {  
    static int count = 0;  
    count++;  
    printf("Count = %d\n", count);  
}
```

```
int main() {
```

```
    printf("Calling demofunction multiple times:\n");  
    demofunction();  
    demofunction();  
    demofunction();  
    demofunction();  
}
```

```
return 0;  
}
```

A screenshot of the Visual Studio Code (VS Code) interface on a Mac. The window title is "main.c". The code editor displays the following C code:

```
C main.c M X
C main.c > demoFunction()
1 #include <stdio.h>
2
3 void demoFunction() {
4     static int count = 0;
5     count++;
6     printf("count = %d\n", count);
7 }
8
9 int main() {
10    printf("Calling demoFunction multiple times:\n");
11
12    demoFunction();
13    demoFunction();
14    demoFunction();
15    demoFunction();
16
17    return 0;
18 }
```

The terminal tab at the bottom shows the execution of the program:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
abhaygupta@Abhays-MacBook-Air main.c % gcc main.c
abhaygupta@Abhays-MacBook-Air main.c % ./a.out
Calling demoFunction multiple times:
count = 1
count = 2
count = 3
count = 4
abhaygupta@Abhays-MacBook-Air main.c %
```

The status bar at the bottom right indicates "Ln 4, Col 28" and "Spaces: 4".

