

```
1  #include <iostream>
2
3  int main() {
4      // Declare and assign values to variables
5      int var1 = 10;
6      int var2 = 20;
7      int var3 = 30;
8      int var4 = 40;
9      int var5 = 50;
10
11     // Display Memory Map
12     std::cout << "Memory Map" << std::endl;
13     std::cout << "Name\tAddress\t\tData" << std::endl;
14     std::cout << "var1\t" << &var1 << "\t" << var1 << std::endl;
15     std::cout << "var2\t" << &var2 << "\t" << var2 << std::endl;
16     std::cout << "var3\t" << &var3 << "\t" << var3 << std::endl;
17     std::cout << "var4\t" << &var4 << "\t" << var4 << std::endl;
18     std::cout << "var5\t" << &var5 << "\t" << var5 << std::endl;
19
20     return 0;
21 }
22
```

PROBLEMS OUTPUT **DEBUG CONSOLE** TERMINAL PORTS GITLENS

Filter (e.g. text, !exclude)

Loaded '/usr/lib/system/libdwfl.a.dylib'. Symbols loaded.  
Loaded '/usr/lib/system/libxpc.dylib'. Symbols loaded.  
Loaded '/usr/lib/libobjc.A.dylib'. Symbols loaded.  
Loaded '/usr/lib/liboah.dylib'. Symbols loaded.

=thread-selected,id="1"

Memory Map

Name	Address	Data
var1	0x16fdff248	10
var2	0x16fdff244	20
var3	0x16fdff240	30
var4	0x16fdff23c	40
var5	0x16fdff238	50

The program '/Users/deomwala/Desktop/Classes/Cprogramming/Tutorial3' has exited with code 0 (0x00000000).