Circle the Variables' Scopes

```
#include <iostream>
using namespace std;
```

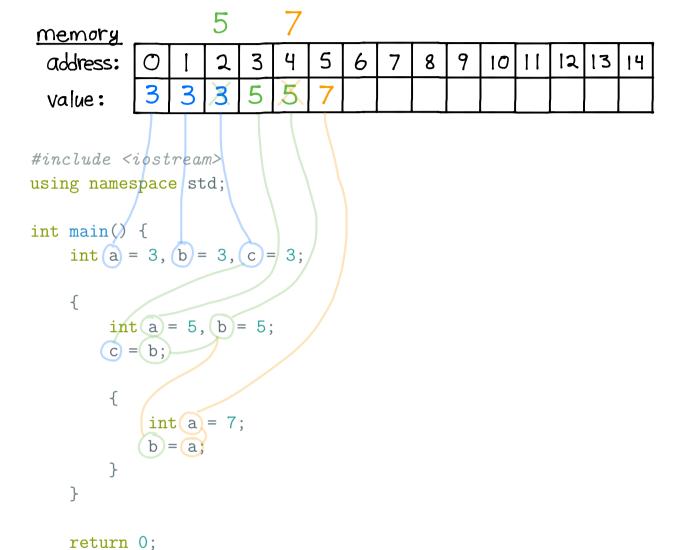
```
int main() {
  int a = 3, b = 3, c = 3;

{
  int a = 5, b = 5;
  c = b;

  {
  int a = 7;
  b = a;
}

return 0;
}
```

Fill in the Memory



}

Circle the Variables' Scopes

```
#include <iostream>
using namespace std;

int main() {
   int (a) = 3;

   for (int (i) = 7; (i) > (a; (i) +-) ) {
      cout << "*";
   }

   cout << endl;
}

return 0;
}</pre>
```

```
#include <iostream>
using namespace std;
int main() {
    int(a) = 3;
    int(i) = 7;
    while (i > a) {
         int(j)= 11;
         while (j > i) {
             cout << "*";
             j<del>)</del>-;
         }
         cout << endl;</pre>
    return 0;
```

```
#include <iostream>
using namespace std;
int main() {
    // have to be a little careful with do-while loops:
    // it's not always possible to write one that means the
    // same thing as the corresponding for or while loop
    int(a) = 3;
    int(i)= 7;
    do {
        int(j) = 11;
        do {
            cout << "*";
        } while (j > i);
        cout << endl;</pre>
```

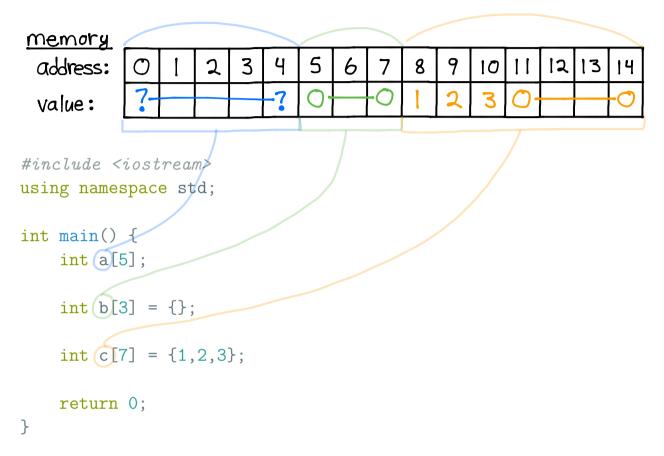
(i)-;

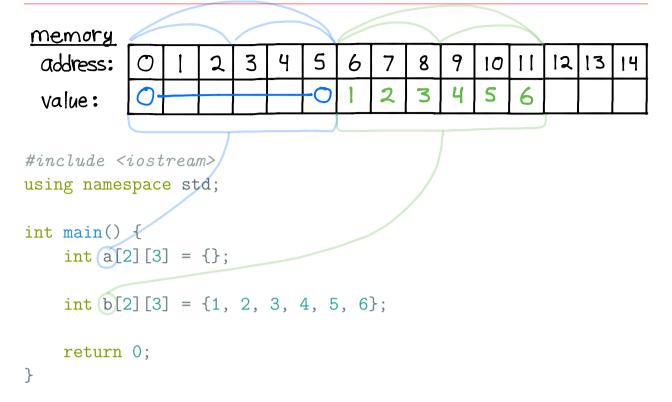
return 0;

} while (i > a);

6 Arrays

Fill in the Memory





Arrays 44 Fill in the Memory

```
memory
                             5
                          4
                                                     12 13 14
 address:
                   2
                      3
                                 6
                                    7
                                               10 11
                                        8
                          5
               2
 value:
#include <iostream>
using namespace std;
int main() {
    int a[2][3] = { {1, 2, 3}, {4, 5, 6} };
    int b[2][4] = { {1, 2}, {3, 4} };
   return 0;
}
```

memory

address:

value:

0	1	2	3	4	5	6	7	8	9	10	11	اء	13	14
1	2	3	7	5	6	7	8	9	0	1	2			

#include <iostream>

```
using namespace std;
```

Arrays 46 Fill in the Memory

CPSC 120 Worksheets memory 5 3 4 7 9 12 13 14 address: 2 6 10 11 8 2 value: #include <iostream> using namespace std; int main() { int a[2][3][2] = { {1}, {2} }; return 0;

}