```cpp
1: //Kalli Bonin and Derek Broekhoven
2: //Question 1 - Reformat a Number
3:
4: #include <iostream>
5: #include <cmath>
6: #include <cstdlib>
7:
8: using namespace std;
9:
10: int main()
11: {
12:     cout << "Input an integer whose magnitude is less than 1,000,000. ";
13:
14:     int input = 0;
15:     cin >> input;
16:
17:     int output1 = 0, output2 = 1000;
18:
19:     if ( abs(input) / 1000 < 1)
20:         cout << input;
21:
22:     else if ( abs(input) / 1000000 < 1)
23:     {
24:         output1 = input / 1000;
25:         output2 = input % 1000;
26:         output2 = abs(output2);
27:     }
28:     else
29:         cout << "Inputted number is too large.";
30:
31:     if (output1 != 0)
32:     {
33:         cout << output1 << "," ;
34:         if (output2 < 10)
35:             cout << "00" << output2;
36:         else if (output2 < 100)
37:             cout << "0" << output2;
38:         else
39:             cout << output2;
40:     }
41:
42:
43:
44:     return EXIT_SUCCESS;
45: }
46:
47: /*
48:     Input an integer whose magnitude is less than 1,000,000. -1001
49:     -1,001
50:     --------------------------------
51:     Process exited after 2.667 seconds with return value 0
52:     Press any key to continue . . .
53: */
54:
55: /*
```

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56:     Input an integer whose magnitude is less than 1,000,000. 4
57:     4
58:     ---------------------------------
59:     Process exited after 1.337 seconds with return value 0
60:     Press any key to continue . . .
61: */
62:
63: /*
64:     Input an integer whose magnitude is less than 1,000,000. 101200
65:     101,200
66:     ---------------------------------
67:     Process exited after 3.529 seconds with return value 0
68:     Press any key to continue . . .
69: */
70:
```