```cpp
1  //
2  // Shaun Chemplavil U08713628
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4  // C/C++ Programming III : Intermediate Programming with Objects
5  // 151116  Raymond L.Mitchell III
6  // hw2.cpp
7  // Win10
8  // Visual C++ 19.0
9  //
10 // Test Program for the Date class
11 //
12
13 #include <iostream>
14 #include "Date.h"
15 using std::cout;
16 using std::cerr;
17
18 int main()
19 {
20     // declare original date variables (arbitrary values)
21     int month = 6, day = 1, year = 2015;
22
23     // exercise all of Date's public functions
24     ShaunChemplavil::Date validDate(month, day, year), todaysDate;
25
26     //exercising the display function
27     cout << "The today's date is: ";
28     todaysDate.display();
29
30     //exercising the display function
31     cout << "The declared date is: ";
32     validDate.display();
33
34     // exercising all of the get functions
35     cout << "Declared Month is " << validDate.getMonth() << "\n"
36         << "Declared Day is " << validDate.getDay() << "\n"
37         << "Declared Year is " << validDate.getYear() << "\n";
38
39     // testing setMonth error handling;
40     cout << "\n\nTest error handling of invalid Month:\n";
41     ShaunChemplavil::Date badMonth(year, day, year);
42     cout << "Confirm that garbage is in object\n";
43     badMonth.display();
44
45     cout << "\nTest error handling of invalid Day:\n";
46     ShaunChemplavil::Date badDay(month, year, year);
47     cout << "Confirm that garbage is in object\n";
48     badDay.display();
49
50     cout << "\nTest error handling of invalid Year:\n";
51     ShaunChemplavil::Date badYear(month, day, -year);
52     cout << "Confirm that garbage is in object\n";
```

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53      badYear.display();
54  }
55
```