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1  // Matthew Bowker, CS3060-001, Assignment #1 Problem 3.16
2
3  #include <iostream>
4  #include <string>
5
6  #include "HeartRates.h"
7
8  using namespace std;
9
10 int main()
11 {
12     HeartRates rate;
13     string tempFirstName;
14     string tempLastName;
15     int tempMonth;
16     int tempDay;
17     int tempYear;
18     int tempCurrentMonth;
19     int tempCurrentDay;
20     int tempCurrentYear;
21     int i;
22
23     cout << "Welcome to the Heart Rate Calculator program" << endl;
24     cout << "Please enter the Patient's first name: ";
25     cin >> tempFirstName;
26     cout << "Please enter the Patient's last name: ";
27     cin >> tempLastName;
28     cout << "Please enter the Patient's month of birth in numbers: ";
29     cin >> tempMonth;
30     cout << "Please enter the Patient's day of birth in numbers: ";
31     cin >> tempDay;
32     cout << "Please enter the Patient's year of birth in numbers: ";
33     cin >> tempYear;
34     cout << "Please enter the current month in numbers: ";
35     cin >> tempCurrentMonth;
36     cout << "Please enter the current day in numbers: ";
37     cin >> tempCurrentDay;
38     cout << "Please enter the current year in numbers: ";
39     cin >> tempCurrentYear;
40     rate.setFirstName(tempFirstName);
41     rate.setLastName(tempLastName);
42     rate.setMonth(tempMonth);
43     rate.setDay(tempDay);
44     rate.setYear(tempYear);
45     rate.setCurrentMonth(tempCurrentMonth);
46     rate.setCurrentDay(tempCurrentDay);
47     rate.setCurrentYear(tempCurrentYear);
48
49     cout << "Generating report...." << endl;
50     for (i=0; i < 50; i++) {
51         cout << endl;
52     }
53
54     rate.generateReport();
```

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55     return 0;  
56 }  
57  
58
```