//Output

run:

Demonstration of Array.sort()

day: 6 | month: 5 | year: 1180

day: 15 | month: 8 | year: 1900

day: 6 | month: 12 | year: 2014

day: 6 | month: 9 | year: 2016

Demonstration of accessors, and the toString() method

6

12

2014

day: 6 | month: 12 | year: 2014

6

9

2016

day: 6 | month: 9 | year: 2016

Demonstration of mutators and exceptions

Initializing calendarday object with day: 3, month: 13, and year 999. Year 999 and Month 13 are not allowed so it should throw an exception

Month, 13, is invalid

12

Year, 999, is invalid

1111

Initializing a number of mutators with invalid inputs.This will allow multiple chances to input a valid number.

Month, 15, is invalid

12

Day, 45, is invalid

9

Year, 999, is invalid

1022

Demonstration of equals()

cal1: day: 6 | month: 12 | year: 2014

cal5: day: 6 | month: 12 | year: 2014

true

Demonstration of Comparable interfaceand the compareTo() method

Comparing cal2 to cal1 object

cal1: day: 6 | month: 12 | year: 2014

cal2: day: 6 | month: 9 | year: 2016

1

Comparing cal5 to cal1 object

cal1: day: 6 | month: 12 | year: 2014

cal5: day: 6 | month: 12 | year: 2014

0

BUILD SUCCESSFUL (total time: 49 seconds)