**Instructions**

Mick’s Wicks makes candles in various sizes. Create a class for the business named Candle that contains the following data fields:

* color - of type String
* height - of type int
* price - of type double

Create get methods for all three fields. Create set methods for color and height, but *not* for price. Instead, when height is set, determine the price as **$2** per inch.

Create a child class named ScentedCandle that contains an additional data field named scent (of type String) and methods to get and set it. In the child class, override the parent’s setHeight() method to set the price of a ScentedCandle object at **$3** per inch.

An example of the DemoCandles program is shown below:

The 6 inch pink candle costs $12.0

The 6 inch gardenia white candle costs $18.0

**Grading**

Write your Java code in the area on the right. Use the **Run** button to compile and run the code. Clicking the **Run Checks** button will run pre-configured tests against your code to calculate a grade.

Once you are happy with your results, click the **Submit** button to record your score.