**Instructions**

Create a class named Horse that contains the following data fields:

* name - of type String
* color - of type String
* birthYear - of type int

Include get and set methods for these fields.

Next, create a subclass named RaceHorse, which contains an additional field, races (of type int), that holds the number of races in which the horse has competed and additional methods to get and set the new field.

An example of the DemoHorses program is shown below:

Old Paint is brown and was born in 2009.

Champion is black and was born in 2011.

Champion has been in 4 races.

**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.