Weather Data

Practice Quiz, 9 questions

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1.

If **cr** is a CSVRecord from one of the weather data files, which one of the following is a correct way to add a temperature from the file to an accumulating double variable named **total**?

○
```
1   total += cr.get(Double.parseDouble("TemperatureF"));
```

○
```
1   total += cr.get("TemperatureF");
```

○
```
1   double temp = Double.parseDouble(cr.get("TemperatureF"));
2   total += temp;
```

○
```
1   double temp = cr.get("TemperatureF");
2   total += Double.parseDouble(temp);
```

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2.

Suppose the name of the file that has the coldest temperature is obtained with this line of code:

```
1   filenameWithColdestTemp = something.getName();
```

Which one of the following must be true about **something**?

○ **something** must be of type CSVRecord

○ **something** must be of type CSVParser

○ **something** must be of type DirectoryResource

○ **something** must be of type File

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Questions 3–9 refer to weather data that can be downloaded in a .zip by clicking here.

Weather Data

Run your program on weather data from <u>May 1, 2014</u> in the file **weather-2014-05-01.csv**.

Practice Quiz, 9 questions

3. What was the <u>coldest temperature</u> on this day?

Enter answer here

1
point

Run your program on the data files for the year <u>2014</u>.

4. What was the <u>coldest temperature</u> in this year?

Enter answer here

1
point

5.
Run your program on weather data from <u>April 1, 2014</u> in the file **weather-2014-04-01.csv**.

At what <u>time of day</u> did the lowest humidity occur (from the DateUTC column)?

○ 11:51:00

○ 13:51:00

○ 16:51:00

○ 18:51:00

○ 20:51:00

1
point

Run your program on weather data from <u>2014</u>.

6. What was the <u>lowest humidity</u> in that year?

Enter answer here

1
point

7.

Run your program on weather data from <u>2014</u>.

Weather Data

Practice Quiz, 9 questions At what time of day did the lowest humidity in that year occur?

○   11:51:00

○   13:51:00

○   16:51:00

○   18:51:00

○   20:51:00

| 1 |
| point |

8.

Run your program on weather data from <u>June 1, 2014</u> in file **weather-2014-06-01.csv**.

What was the <u>average temperature</u> on this day?

(Give your answer to <u>four</u> decimal places, and truncate the rest. For example, if the average temperature was 989.777874, you would enter 989.7778 as your answer.)

Enter answer here

| 1 |
| point |

9.

Run your program on weather data from <u>March 30, 2014</u> in file **weather-2014-03-30.csv**.

What was the <u>average temperature</u> in Fahrenheit for those temperature readings when the humidity is greater than or equal to 80?

(Give your answer to <u>three</u> decimal places, and truncate the rest. For example, if the average temperature was 989.777874, you would enter 989.777 as your answer.)

Enter answer here

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