CSV Files and Basic Statistics in Java

Quiz, 11 questions

1 point

1. Questions 1–3 refer to the data file **exportdata.csv,** available in the .zip download here.

Run your program from the first lesson programming exercise *Parsing Export Data* on the file **exportdata.csv**.

What is the name of the country that is listed as the second country that exports both cotton and flowers?

Zambia

1 point

2. Run your program from the first lesson programming exercise *Parsing Export Data* on the file **exportdata.csv**.

How many countries export cocoa?

Note: You should only enter a one- or two-digit number representing the number of countries, with no other information included.

17

1 point

3. Run your program from the first lesson programming exercise *Parsing Export Data* on the file **exportdata.csv**.

What is the name of the third country (on the third line of the output) listed whose exports are valued at one trillion US dollars or more?

(Hint: Their value in the CSV file should be greater than $999,999,999,999.)

Germany

1 point

4. Questions 4–11 refer to weather data in the folder **nc_weather**, available as a .zip download here.

Run your program developed in *Parsing Weather Data* to determine the lowest humidity in the file for June 29th, 2014 (**weather-2014-06-29.csv**).

What was the lowest humidity reading on that day?

Note: You should only enter your two-digit number result, with no other additional information included.

40

1 point

5. Run your program from programming exercise *Parsing Weather Data* to determine the lowest humidity in the file for July 22nd, 2014 (**weather-2014-07-22.csv**).

At what time of day did that humidity occur?

(Refer to the time from the **DateUTC** column.)

- 11:51:00
- 13:51:00
- 16:51:00
- 18:51:00
- 20:51:00 (selected)

1 point

6. Run your program from programming exercise *Parsing Weather Data* to determine the lowest humidity reading in the entire year of 2013.

What was the lowest humidity reading?

Note: You should only enter your two-digit number result, with no other additional information included.

16

1 point

7. Run your program from programming exercise *Parsing Weather Data* to determine the lowest humidity reading in 2013.

At what time of day did that lowest humidity occur?

(Refer to the time from the **DateUTC** column.)

- 16:51:00
- 18:51:00
- 20:51:00
- 21:51:00 (selected)
- 23:51:00

1 point

8. Run your program from programming exercise *Parsing Weather Data* to determine the average temperature in Fahrenheit on August 10, 2013 (**weather-2013-08-10.csv**).

Give your answer with four decimal digits and truncate the rest.

80.1964

1 point

9. Run your program from programming exercise *Parsing Weather Data* to determine the average temperature in Fahrenheit for those temperature readings when the humidity is greater than or equal to 80 on September 2, 2013 (**weather-2013-09-02.csv**).

Give your answer with three decimal digits and truncate the rest.

72.593

1 point

10. Run your program from programming exercise *Parsing Weather Data* to determine which day of the year had the coldest temperature in 2013.

- December 25, 2013
- December 30, 2013
- January 8, 2013
- January 23, 2013 (selected)
- February 1, 2013

1 point

11. Run your program from programming exercise *Parsing Weather Data* on 2013 data.

What was the coldest temperature recorded in 2013?

Give your answer with one decimal digit. (For example: 10.0)

19.0

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