CSV Files and Basic Statistics in Java

Quiz, 11 questions

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1.

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

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 <u>second country</u> that exports <u>both cotton and flowers</u>?

> Zambia

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2.

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

How many countries export <u>cocoa</u>?

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

> 17

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3.

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

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

> Germany

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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

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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

◉

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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.

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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
- ○ 23:51:00

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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

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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

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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

○ February 1, 2013

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11.