

# wk1-Searching Earthquake Data

Saturday, December 12, 2020

3:21 PM



**Congratulations! You passed!**

TO PASS 65% or higher

Keep Learning

GRADE

100%

## Searching Earthquake Data

TOTAL POINTS 6

1. For the assignment you wrote the method **quakesOfDepth** to print all the earthquakes from a data source whose depth is between a given minimum and maximum value, and also to print out the number of earthquakes found. Modify this method to run your program on the file **nov20quakedata.atom** (a file with information on 1518 quakes) for quakes with depth between -8000.0 and -5000.0, exclusive.

1 / 1 point

How many such earthquakes are there?

221



Correct

2. For the assignment you wrote the method **quakesByPhrase** to print all the earthquakes from a data source whose title has a phrase in it at a specified location, and also to print out the number of earthquakes found. Modify this method to run your program on the file **nov20quakedata.atom** (a file with information on 1518 quakes) for quakes with the phrase "Explosion" at the start of the earthquake's title.

1 / 1 point

How many such earthquakes are there?

7



Correct

3. For the assignment you wrote the method **quakesByPhrase** to print all the earthquakes from a data source whose title has a phrase in it at a specified location, and also to print out the number of earthquakes found. Modify this method to run your program on the file **nov20quakedata.atom** (a file with information on 1518 quakes) for quakes with the phrase "California" at the end of the earthquake's title.

1 / 1 point

How many such earthquakes are there?

538

✓ Correct

4. For the assignment you wrote the method **quakesByPhrase** to print all the earthquakes from a data source whose title has a phrase in it at a specified location, and also to print out the number of earthquakes found. Modify this method to run your program on the file **nov20quakedata.atom** (a file with information on 1518 quakes) for quakes with the phrase "Creek" as a substring in the earthquake's title.

1 / 1 point

How many such earthquakes are there?

9

✓ Correct

5. For the assignment you wrote the method **findLargestQuakes** to print a given number of earthquakes from a data source in order from largest magnitude. Modify this method to run your program on the file **nov20quakedata.atom** (a file with information on 1518 quakes) for the three earthquakes with the largest magnitude.

1 / 1 point

What is the magnitude of the third largest earthquake? (Give your answer to two decimal places. Note that the US convention uses periods instead of commas to indicate a decimal.)

5.9

✓ Correct

6. For the assignment you wrote the method **findLargestQuakes** to print a given number of earthquakes from a data source in order from largest magnitude. Modify this method to run your program on the file **nov20quakedata.atom** (a file with information on 1518 quakes) for the five earthquakes with the largest magnitude.

1 / 1 point

What country is the fifth largest earthquake in?

Japan

✓ Correct