Java

Q. In terms of inheritance, what is the effect of keeping a constructor private?

Q. In Java, does the finally block get executed if we insert a return statement inside the try block of a try-catch-finally?

Q. What is the difference between final, finally, and finalize?

Q. Explain the difference between templates in C ++ and generics in Java.

Q. Explain the differences between TreeMap, HashMap, and LinkedHashMap. Provide an example of when each one would be best.

Q. Explain what object reflection is in Java and why it is useful.

Q. There is a class Country that has methods getContinent() and getPopulation().

Q. Write a function int getPopulation(List countries, String continent) that computes the total population of a given continent, given a list of all countries and the name of a continent.

Q. Using Lambda expressions, write a function List getRandomSubset ( List< Integer> list) that returns a random subset of arbitrary size. All subsets (including the empty set) should be equally likely to be chosen.