- 1. Create two priority queues, {"George", "Jim", "John", "Blake", "Kevin", "Michael"} and {"George", "Katie", "Kevin", "Michael", "Ryan"}, and find their union, difference, and intersection.
- 2. A Java program contains various pairs of grouping symbols, such as:
 - Parentheses: (and)
 - Braces: { and }
 - Brackets: [and]

Note that the grouping symbols cannot overlap. For example, (a{b})} is illegal. Write a program to check whether a Java source-code file has correct pairs of grouping symbols.

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