

## Question - 1

### Java Stack

#### Problem Statement

Write a Java class named *Parser* and implement a method called *checkParenthesisBalance(String)*. This method must return *true* if a parsed argument contains one or more sets of balanced brackets (i.e.: curly braces and/or parentheses) or *false* otherwise.

A string is balanced under the following conditions:

1. It is the empty string.
2. If **A** and **B** are correct, then **AB** is correct.
3. If **A** is correct, then **(A)** and **{A}** are correct.

Some examples of balanced strings are **{ }()**, **{() }**, and **({()})**.

Some examples of unbalanced strings are **{ }(**, **{( }**, **((**, and **}{**.

Do not concern yourself with I/O operations; just write the correct class and method.

#### Sample Input#00

```
{ }()  
{( )}  
{ }(
```

#### Sample Output#00

```
true  
true  
false
```