```
import java.util.Arrays;
public class StringPractice {
   * returns true if c is a punctuation mark or false otherwise
   * Punctuation mark is defined as:
   * apostrophe '
   * comma ,
   * period .
   * semicolon;
   * colon :
   * exclamation point !
   * question mark ?
   * (You don't have to worry about any others)
  public static boolean isPunct(char c) {
    char[] Punctuations = { '\'', ',', '.', ';', ':', '!', '?' };
    for (int i = 0; i < Punctuations.length; i++) {</pre>
      if (Punctuations[i] == c) {
        return true;
    }
    return false;
  }
   * returns the number of punctuation marks
   * found in s.
   * call your isPunct( ) method. Do not compy and paste
   * the same logic into this function
  public static int numPunct(String s) {
    int count = 0;
    for (int i = 0; i < s.length(); i++) {
      if (isPunct(s.charAt(i)) == true) {
        count++;
      }
    }
    return count;
  }
   * returns the number of punctuation marks
   * found in s starting at the given index.
   * call your isPunct( ) method. Do not compy and paste
   * the same logic into this function
   */
  public static int numPunct(String s, int startIndex) {
    int count = 0;
    for (int i = startIndex; i < s.length(); i++) {</pre>
      if (isPunct(s.charAt(i)) == true) {
        count++;
    }
    return count;
  }
   * returns the index of the first occurrence
```

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* of a punctuation mark in s starting
 * from index startPosition or -1 if there are
 * none at index startPosition or later.
 * When implementing this function, call your isPunct( ) method.
 * Do not simply copy and paste the body of isPunct( ) into this method.
public static int indexOfFirstPunct(String s, int startPosition) {
  for (int i = startPosition; i < s.length(); i++) {</pre>
    if (isPunct(s.charAt(i)) == true) {
      return i;
  }
  return -1;
}
 * returns the index of the first punctuation mark in s or
 * -1 if s contains no punctuation marks
 * use your solution to indexOfFirstPunct(String s, int startPosition)
 * in this function. Do not repeat the same logic.
 * Notice that this method has the same name as the
 * previous one, but that it takes a different number of arguments. This is
 * perfectly legal in Java. It's called "method overloading"
 */
public static int indexOfFirstPunct(String s) {
  for (int i = 0; i < s.length(); i++) {
    if (isPunct(s.charAt(i)) == true) {
      return i;
    }
  return -1;
}
 * returns the index of the last occurrence of a punctuation
 * mark in s or -1 if s contains no punctuation
 * When implementing this function, call your isPunct( ) method.
 * Do not simply copy and paste the body of isPunct( ) into this method.
 */
public static int indexOfLastPunct(String s) {
  for (int i = s.length() - 1; i >= 0; i--) {
    if (isPunct(s.charAt(i)) == true) {
      return i;
  }
 return -1;
}
 * returns a new String which is the same as s but with
 * each instance of oldChar replaced with newChar
public static String substitute(String s, char oldChar, char newChar) {
 for (int i = 0; i < s.length(); i++) {
    if (s.charAt(i) == oldChar) {
      s = s.replace(oldChar, newChar);
    }
  }
  return s;
```

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}
/*
    * retu
    * with
    * with
    *
```

```
* returns a new String which is the same as s, but
 * with each instance of a punctuation mark replaced
 * with a single space character
 * Use at least one of your other functions in your
 * solution to this.
 * /
public static String substitutePunct(String s) {
  for (int i = 0; i < s.length(); i++) {
    if (isPunct(s.charAt(i)) == true) {
      s = s.replace(s.charAt(i), ' ');
  }
 return s;
}
 * returns a new String which is the same as s,
 * but with all of the punctuation
 * marks removed.
 * Use at least one of your other functions
 * in your solution to this one.
 */
public static String withoutPunct(String s) {
  for (int i = s.length() - 1; i >= 0; i--) {
    System.out.println("s = " + s.charAt(i));
    if (isPunct(s.charAt(i)) == true) {
      s = s.replace(Character.toString(s.charAt(i)), "");
  }
 return s;
/* returns true if c is found in s or false otherwise */
public static boolean foundIn(String s, char c) {
  for (int i = 0; i < s.length(); i++) {
    if (s.charAt(i) == c) {
      return true;
    }
  }
 return false;
}
 * Returns true of s contains none of the characters
 * found in chars or false otherwise.
 */
public static boolean containsNone(String s, String chars) {
 char[] ch = chars.toCharArray();
  char[] s to char = s.toCharArray();
  System.out.println(ch);
  System.out.println(Arrays.toString(s to char));
  for (int i = 0; i < ch.length; i++) {
    if (Arrays.toString(s to char).contains(String.valueOf(ch[i]))) {
      System.out.println(ch[i]);
      return false;
```

```
return true;
 }
  /*
   * Returns true of s is comprised of only punctuation or
   * false otherwise
   * Use at least one of your other
   * functions in this one.
  public static boolean onlyPunct(String s) {
    for (int i = 0; i < s.length(); i++) {</pre>
      if (isPunct(s.charAt(i)) == false) {
        return false;
      }
    }
    return true;
   * Returns true of s contains no punctuation or
   * false otherwise
   * Use at least one of your other
   * functions in this one.
  public static boolean noPunct(String s) {
    for (int i = 0; i < s.length(); i++) {</pre>
      if (isPunct(s.charAt(i)) == true) {
        return false;
      }
    }
    return true;
  }
   * returns true if s has two punctuation marks
   * right next to each other or false otherwise
   * use at least one of your other methods
   * in your solution to this method
  public static boolean consecutivePuncts(String s) {
    if (s.length() > 1) {
      for (int i = 0; i < s.length() - 1; i++) {
        if (isPunct(s.charAt(i)) == true && isPunct(s.charAt(i + 1))) {
          return true;
      }
    }
    return false;
}
```