CIS 121 - Quiz 4 - Friday, June 13, 2003

Name: ___________________________ StudentNumber: _______________________

1. (2 pts) Is the following an example of a compile-time or a run-time error? Explain. Assume s is a reference to a String.

```java
System.out.println(s.charAt(s.length()));
```

2. (2 pts) Will there be a compile-time error when we compile the following code? Will there be a run-time error? Explain what happens.

```java
public class Question2 {
    private String name;

    public Question2() {
    }

    public String toString() {
        return name.substring(1);
    }

    public static void main(String[] args) {
        Question2 question2 = new Question2();

        System.out.println(question2);
    }
}
```

3. (2 pts) Suppose we have a String called s. Assume that s points to an actual String and write one line of code which will concatenate the first character and last character of the String referred to by s and store the result in a new String referred to by t.

```java
String s = "Hello";
```

4. (2 pts) The instance method ________________ removes trailing and leading spaces from a String, and the method ________________ returns the number of tokens which haven’t yet been read from a StringTokenizer.

5. (2 pts) Suppose we have the following code. What is printed?

```java
String s = "Hello";
```

```java
s = 1 + 2 + s.substring(1) + 3 + 4 + s.charAt(0) + s.substring(1,5);
```

```java
System.out.println(s);
```