

Name(s) _____ Period _____ Date _____

[KEY] Extra Practice - Comparing Strings**Check for Understanding**

Consider the following method.

```
public static boolean mystery(String str) {  
    String temp = "";  
  
    for (int i = str.length(); i > 0; i--) {  
        temp = temp + str.substring(i - 1, i);  
    }  
  
    return temp.equals(str);  
}
```

Which of the following calls to `mystery` will return `true`?

- A. `mystery("no");`
- B. `mystery("on");`
- C. `mystery("nnoo");`
- D. `mystery("nono");`
- E. `mystery("noon");`

AP Exam Prep

Consider the following instance variable and method.

```
private ArrayList<String> cities;

public void changeList() {
    for (int index = cities.size() - 1; index >= 0; index--) {
        if (cities.get(index).substring(0, 1).equals("b")) {
            cities.add(cities.size() - 1, cities.remove(index));
        }
    }
}
```

Assume that **cities** has been instantiated and initialized with the following contents.

```
["baltimore", "zephyrhills", "boston", "chicago", "kansas city", "buffalo"]
```

What will the contents of **cities** be as a result of calling **changeList**?

- A. ["buffalo", "zephyrhills", "boston", "chicago", "baltimore", "kansas city"]
- B. ["baltimore", "zephyrhills", "boston", "chicago", "kansas city", "buffalo"]
- C. ["buffalo", "baltimore", "zephyrhills", "boston", "chicago", "kansas city"]
- D. ["baltimore", "buffalo", "zephyrhills", "boston", "chicago", "kansas city"]
- E. ["zephyrhills", "chicago", "kansas city", "buffalo", "boston", "baltimore"]

Extra Practice

Do This: Write a method called `everyOther` that takes a `String` parameter and returns a new `String` containing every other character from the original `String`.

For example, the method call `everyOther("computer")` should return `"optr"`.

```
public String everyOther(String text) {  
    String newText = "";  
    for (int index = 1; index < text.length(); index += 2) {  
        newText += text.substring(index, index + 1);  
    }  
    return newText;  
}
```