String Class

Find the output to the following code segments:

```
1.   String state = "Mississipi";
     int len = state.length();
     char ch = state.charAt(8);
     String stub = "ssip";
     int index1 = state.indexOf(stub);
     int index2 = state.indexOf('s');
     System.out.println("The length of " + state + " is " + len
        + " characters");
     System.out.println("The character at index 8 is " + ch);
     System.out.println("The beginning index of " + stub + " is "
        + index1);
     System.out.println("The first index value of s is "
        + index2);

2.   String state = "Washington";
     String abbrev = state.substring(0,2);
     System.out.println(abbrev.toUpperCase() + " ships "
        + state.substring(7) + "s of apples");

3.   String state = "California";
     if (state.equals(state.toLowerCase()))
       System.out.println("I guess caps don't really matter.");
     else
       System.out.println("Picky, picky!");
     if (state.equalsIgnoreCase(state.toLowerCase()))
       System.out.println("That gives us some flexibility.");
     else
       System.out.println("Are you sure?");
```