

1. Fill the empty blank with T for true sentence or F for false sentence:

- (a) F ASCII supports global character sets. *unicode*
(b) It is allowed in Java heap memory to have two places with the same string value.
(c) F There is no difference between `==` and `equals()` when comparing strings.
(d) T In Java, the list of characters `"char[] myList"` is immutable.
(e) T A String variable (the default String in Java) is thread-safe.

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2. Why is StringBuilder often preferred for string modifications?

~~It~~ It modify the same words all over the file

3. What is the output of `s1.contains(s2)` if `s1="This is IT214"` and `s2="24"`?

False

4. How does Java behave when a new string is assigned to a string variable? Discuss your answer for the two cases:

- The case of a new String value that is not in the heap.
- The case of a String value that is already has been added in the heap.

Case 1: it creates ~~new~~ a new object in the heap

case 2: it points to it.