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Help

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What is the actual type of the object hello refers to? none Ochar[] String unknown, depends on rep of String invalid question Explanation Variables have a declared type; objects, created during the actual execution of the program, have an actual type. In this case, the declared type and the actual type are the same. 0 Submit Answers are displayed within the problem Words, words, words 4/4 points (graded) Same code again: String hello = "Hello"; List<String> words1 = new ArrayList<>(); words1.add(hello); ImList<String> words2 = ImList.empty(); words2.cons(hello); This time, when we say declared/actual type of a variable, we always mean the variable itself or the object pointed to by that variable, whichever is appropriate. What is the declared type of words1? String List $\bigcirc \text{ ArrayList}$ ○ ImList Empty Cons What is the actual type of words1? $\bigcirc \, \mathsf{String}$ $\bigcirc \ \mathsf{List}$ ArrayList ImList Empty Cons

What is the declared type of words2?

String	
List	
ArrayList	
● ImList	
○ Empty	
Cons	
•	
What is the actual type of words2 ?	
String	
List	
ArrayList	
☐ ImList	
● Empty	
Cons	
Explanation The first three are straightforward. The last one was a trick question, because we discarded the return value of cons. words2 still points to the Empty instance; the Cons obj	ect that was
Submit	Show Answer
Answers are displayed within the problem	
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