

CSE 8B
Winter 2006
Quiz #8
March 14, 2006

Name _____ ID _____

(5 pts.) 1. When somebody on machine A views an HTML document that is on machine B and that contains an applet, is the applet running on machine A or machine B?

- (a) Machine A
- (b) Machine B

A. *The applet is downloaded from machine B to machine A (along with the HTML), and then the applet is run on machine A*

(5 pts.) 2. When you specify an applet in an applet tag for an HTML document, do you give the .java file or the .class file?

- (a) .java file
- (b) .class file

B. *The .class file. The .java file is only used at compile time, not at run time*

(5 pts.) 3. Can an object that instantiates the `HashSet<E>` class contain multiple copies of some element?

- (a) Yes
- (b) No

B. *A set can not contain duplicates of an element, so the HashSet cannot contain duplicates.*

(9 pts.) 4. What are the advantages and disadvantages of using an `ArrayList<E>` versus using a `LinkedList<E>`?

An advantage of the `ArrayList<E>` is that it provides random access to its elements, so it's quick to access any element. A disadvantage is that adding or deleting elements from the middle is slower than from a `LinkedList<E>` because it must move all following elements.