

Quiz #4

Java Programming II

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Class: C6 ID Number: s1240234 Name: Yuta Nemoto

1. The Java collection framework is a (set of generic types) that are used to create collection classes that support various ways to store and manage objects of any kind in memory.
2. Write three main types of collections.
 - 1) Sets
 - 2) Sequences
 - 3) Maps
3. What are the next collections objects?
 - (1) The objects are stored in a linear fashion, not necessarily in any particular order, but in an arbitrary fixed sequence with a beginning and an end.
(Sequences)
 - (2) Each object that is stored in a map has an associated key object, and the object and its key are stored together as a "name-value" pair.
(Maps)
4. To create an *Iterable* class:
 - 1) An *Iterable* class implements the (*Iterable*) interface
 - 2) The (*iterator*) method should be implemented in the class
 - 3) An *Iterator* class should be provided for the iterator. The *Iterator* class has 3 methods, *hasNext*, (*next*), and *remove* to access elements of the class