

Map and Generics quiz

12 out of 12 correct

1. Which of these object stores association between keys and values?

- ☐ Hash table
- ☒ Map
- ☐ Array
- ☐ String

2. Which of these classes provide implementation of map interface?

- ☐ ArrayList
- ☒ HashMap
- ☐ LinkedList
- ☐ DynamicList

Explanation: AbstractMap, WeakHashMap, HashMap and TreeMap provide implementation of map interface.

3. Which of these method is used to remove all keys/values pair from the invoking map?

- ☐ delete()
- ☒ remove()
- ☐ clear()
- ☐ removeAll()



4. Which of these method Map class is used to obtain an element in the map having a specified key?

- ☐ search()
- ☒ get()
- ☐ set()
- ☐ look()

5. Which of these methods can be used to obtain a set of all keys in a map?

- ☐ getAll()
- ☐ getKeys()
- ☐ keyall()
- ☒ keySet()

Explanation: keySet() methods are used to get a set containing all the keys used in a map. This method provides a set view of the keys in the invoking map.

6. Which of the following cannot be Type parameterized?

- ☒ Overloaded Methods
- ☐ Generic methods
- ☐ Class methods
- ☐ Overriding methods

Explanation: Cannot Overload a Method Where the Formal Parameter Types of Each Overload Erase to the Same Raw Type.

7. What are generic methods?

- ☐ Generic methods are the methods defined in a generic class
- ☐ Generic methods are the methods that extend generic class methods

- ☒ Generic methods are methods that introduce their own type parameters
- ☐ Generic methods are methods that take void parameters

Explanation: Generic methods are methods that introduce their own type parameters. This is similar to declaring a generic type, but the type parameter scope is limited to the method where it is declared. Static and non-static generic methods are allowed, as well as generic class constructors.

8. Which of these type parameters is used for a generic methods to return and accept any type of object?

- ☐ K
- ☐ N
- ☒ T
- ☐ V

Explanation: T is used for type, A type variable can be any non-primitive type you specify: any class type, any interface type, any array type, or even another type variable.

9. Which of these type parameters is used for a generic methods to return and accept a number?

- ☐ K
- ☒ N
- ☐ T
- ☐ V

Explanation: N is used for Number.

10. Which of these types cannot be used to initiate a generic type?

- ☐ Integer class
- ☐ Float class

☒ Primitive Types

☐ Collections

11. Which of these instance cannot be created?

☐ Integer instance

☐ Generic class instance

☒ Generic type instance

☐ Collection instances

Explanation: It is not possible to create generic type instances. Example – “E obj = new E()” will give a compilation error.

12. Which of these data type cannot be type parameterized?

☒ Array

☐ List

☐ Map

☐ Set

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