

Module Review

Latest Submission Grade 100%

1. In Java SE 7, you can substitute the parameterized type of the constructor with what?

1 / 1 point

- ☐ an empty set of brackets [];
- ☒ an empty set of type parameters (<>);
- ☐ an empty set of parenthesis ();
- ☐ an empty set of braces { };

✓ **Correct**

Correct. You can substitute an empty set of type parameters <> for the parameterized type of the constructor.

2. Using <? super T> allows _____. (Select all that apply)

1 / 1 point

☒ assigning

✓ **Correct**
Right.

☒ adding

✓ **Correct**
Yes.

☐ using references

3. What does a question mark (?) designate?

1 / 1 point

- ☐ a null value
- ☒ an unknown type
- ☐ a subclass

✓ **Correct**
Correct.

4. Which of the following may be a generic type of an array?

1 / 1 point

- ☒ wildcard
- ☐ library
- ☐ constructor

✓ Correct

Yes. A wildcard may be a generic type of an array.

5. Which of the following are true about **type erasure**? (Select all that apply)

1 / 1 point

- ☒ All type variables are replaced by the upper bound of the type variable.

✓ Correct

Right. This is true of type erasure.

- ☐ Type information is added between the angle brackets.
- ☒ The compiler converts all generic code into non-generic code.

✓ Correct

Yes. This is true of type erasure.

- ☐ Casts are removed.

6. Which of the following allows abstraction over types and is widely used in the Collection Framework?

1 / 1 point

- ☒ Generics
- ☐ A nested class
- ☐ Formal type parameters

✓ Correct

Correct.

7. _____ is a type that can be used as a placeholder for ALL possible types.

1 / 1 point

- ☐ An upper bound
- ☒ A wildcard type
- ☐ An inner class

✓ Correct

Right. You can use a wildcard type class as a placeholder for ALL possible types.

8. True or false: Argument types passed to a generic method are inferred by the compiler based on the parameters and values of the actual arguments.

1 / 1 point

☐ True

☒ False

 **Correct**

Right! It is based on the types of the actual arguments.

9. _____ is a conversion process that allows generic code to be used with libraries that were created prior to Java 5.

1 / 1 point

☐ Class sharing

☒ Type erasure

☐ Raw generics

 **Correct**

Yes.

10. A _____ is when a generic type is used without type parameters.

1 / 1 point

☐ array

☒ raw type

☐ type inference

 **Correct**

Right.