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Started on Tuesday, 27 September 2022, 11:07 AM

State Finished

Completed on Tuesday, 27 September 2022, 11:08 AM

Time taken 56 secs

Grade 10.00 out of 10.00 (100%)

Question **1**

Correct

Mark 1.00 out of 1.00

Java's generic programming does not apply to the primitive types. True or False?

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question **2**

Correct

Mark 1.00 out of 1.00

Which of the following statements is correct?

Select one or more:

- ☒ a. Generics can help detect type errors at compile time, thus make programs more robust. ✓
- ☒ b. Generics can make programs easy to read. ✓
- ☒ c. Generics can avoid cumbersome castings. ✓
- ☐ d. Generics can make programs run faster.

The correct answers are: Generics can help detect type errors at compile time, thus make programs more robust., Generics can make programs easy to read., Generics can avoid cumbersome castings.

Question **3**

Correct

Mark 1.00 out of 1.00

Fill in the code in Comparable ____ c = new Date();

- a. <String>
- b. <?>
- c. <Date>
- d. <E>

Select one:

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.



The correct answer is: c.

Question **4**

Correct

Mark 1.00 out of 1.00

Suppose List list = new ArrayList(). Which of the following operations are correct?

Select one or more:

- ☒ a. list.add("Red");
- ☒ b. list.add(new Integer(100));
- ☒ c. list.add(new java.util.Date());
- ☒ d. list.add(new ArrayList());



The correct answers are: list.add("Red");, list.add(new Integer(100));, list.add(new java.util.Date());, list.add(new ArrayList());

Question **5**

Correct

Mark 1.00 out of 1.00

Suppose `List<String> list = new ArrayList<String>`. Which of the following operations are correct?

Select one:

- ☒ a. `list.add("Red");`
- ☐ b. `list.add(new Integer(100));`
- ☐ c. `list.add(new java.util.Date());`
- ☐ d. `list.add(new ArrayList());`



The correct answer is: `list.add("Red");`

Question **6**

Correct

Mark 1.00 out of 1.00

In what way can a Set be distinguished from other types of Collections?

"A Set cannot contain duplicate elements."

Select one:

- ☒ True
- ☐ False

The correct answer is 'True'.

Question **7**

Correct

Mark 1.00 out of 1.00

To declare a class named A with a generic type, use

- a. `public class A<E> { ... }`
- b. `public class A<E, F> { ... }`
- c. `public class A(E) { ... }`
- d. `public class A(E, F) { ... }`

Select one:

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.



The correct answer is: a.

Question **8**

Correct

Mark 1.00 out of 1.00

To declare a class named A with two generic types, use

- a. `public class A<E> { ... }`
- b. `public class A<E, F> { ... }`
- c. `public class A(E) { ... }`
- d. `public class A(E, F) { ... }`

Select one:

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.



The correct answer is: b.

Question **9**

Correct

Mark 1.00 out of 1.00

To declare an interface named A with two generic types, use

- a. `public interface A<E> { ... }`
- b. `public interface A<E, F> { ... }`
- c. `public interface A(E) { ... }`
- d. `public interface A(E, F) { ... }`

Select one:

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.



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The correct answer is: b.

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Question **10**

Correct

Mark 1.00 out of 1.00

To create a list to store integers, use

- a. `ArrayList<Object> list = new ArrayList<Integer>();`
- b. `ArrayList<Integer> list = new ArrayList<Integer>();`
- c. `ArrayList<int> list = new ArrayList<int>();`
- d. `ArrayList<Number> list = new ArrayList<Integer>();`

Select one:

- ☐ a.
- ☒ b.
- ☐ c.
- ☐ d.



The correct answers are: a., b.