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Inheritance -Java Programming MCQ Questions and Answers

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1. Which is true?

- A. ☐ "X extends Y" is correct if and only if X is a class and Y is an interface
- B. ☐ "X extends Y" is correct if and only if X is an interface and Y is a class
- C. ☐ "X extends Y" is correct if X and Y are either both classes or both interfaces
- D. ☐ "X extends Y" is correct for all combinations of X and Y being classes and/or interfaces

Answer & Solution

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2. Which of the following is true?

- 1. A class can extend more than one class.
- 2. A class can extend only one class but many interfaces.
- 3. An interface can extend many interfaces.
- 4. An interface can implement many interfaces.
- 5. A class can extend one class and implement many interfaces.



- A. ☐ 1 and 2
- B. ☐ 2 and 4
- C. ☐ 3 and 5
- D. ☐ 3 and 4
- E. ☐ 2 and 5

[Answer & Solution](#)[Discuss in Board \(https://www.examveda.com/which-of-the-following-is-true-java-programming-on-inheritance-2\)](https://www.examveda.com/which-of-the-following-is-true-java-programming-on-inheritance-2)[Share \(http://www.facebook.com/share.php?u=https://www.examveda.com/which-of-the-following-is-true-java-programming-on-inheritance-2\)](http://www.facebook.com/share.php?u=https://www.examveda.com/which-of-the-following-is-true-java-programming-on-inheritance-2)[Save for Later](#)

3. What is the result of compiling and running the following code?

```
class Base{
    public Base() {
        System.out.print("Base");
    }
}
public class Derived extends Base{
    public Derived() {
        this("Examveda");
        System.out.print("Derived");
    }
    public Derived(String s) {
        System.out.print(s);
    }
    public static void main(String[] args) {
        new Derived();
    }
}
```

- A. ☐ ExamvedaDerived
- B. ☐ ExamvedaBaseDerived
- C. ☐ BaseExamvedaDerived




D. ☐ ExamvedaDerivedBase

E. ☐ Compilation Error

Answer & Solution

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4. What is the output of the following program code?

```
abstract class C1{
    public C1(){
        System.out.print(1);
    }
}
class C2 extends C1{
    public C2(){
        System.out.print(2);
    }
}
class C3 extends C2{
    public C3(){
        System.out.println(3);
    }
}
public class Test{
    public static void main(String[] a){
        new C3();
    }
}
```

A. ☐ 12




- B. ☐ 23
- C. ☐ 123
- D. ☐ 321

Answer & Solution

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5. The concept of multiple inheritance is implemented in Java by
- I. Extending two or more classes.
 - II. Extending one class and implementing one or more interfaces.
 - III. Implementing two or more interfaces.

- A. ☐ Only (II)
- B. ☐ (I) and (II)
- C. ☐ (II) and (III)
- D. ☐ Only (I)
- E. ☐ Only (III)

Answer & Solution

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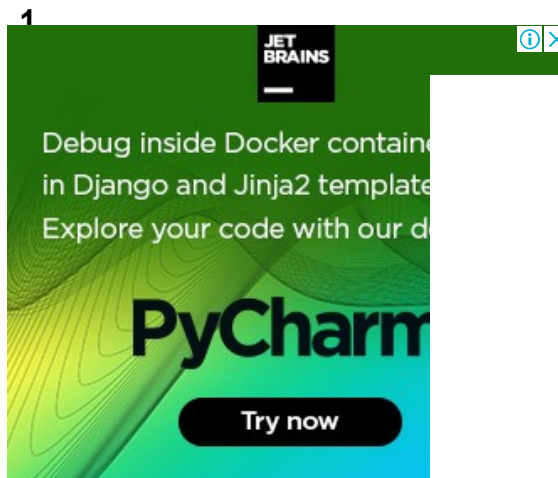
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