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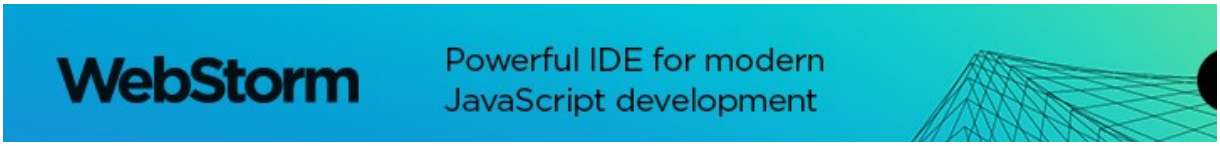
Interfaces and Abstract Classes -Java Programming MCQ Questions and Answers



6. Which of the following is a correct interface?

A. interface A { void print() { } }

B. abstract interface A { print(); }

C. abstract interface A { abstract void print(); { }}

D. interface A { void print(); }

Answer & Solution

Discuss in Board (https://www.examveda.com/which-of-the-following-is-a-correct-interface-java-programming-on-interfaces-and-abstract-class-6)

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Answer & Solution

Answer: Option D

No explanation is given for this question **Let's Discuss on Board (https://www.examveda.com/which-of-the-**

following-is-a-correct-interface-java-programming-on-interfaces-and-abstract-class-6)

7. Determine output of the following code.

```
interface A { }

class C { }

class D extends C { }

class B extends D implements A { }

public class Test extends Thread{
        public static void main(String[] args){
                B b = new B();
                if (b instanceof A)
                        System.out.println("b is an inst
ance of A");
                if (b instanceof C)
                        System.out.println("b is an inst
ance of C");
        }
}
```

A. Nothing.

B. b is an instance of A.

C. b is an instance of C.

D. b is an instance of A followed by b is an instance of C.

Answer & Solution

Discuss in Board (https://www.examveda.com/determine-output-of-the-following-code-java-programming-on-interfaces-and-abstract-class-7)

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Answer & Solution

Answer: Option D
No explanation is given for this question **Let's Discuss on Board (https://www.examveda.com/determine-output-of-the-following-code-java-programming-on-interfaces-and-abstract-class-7)**

8. Given the following piece of code:

```
public interface Guard{
        void doYourJob();
}
abstract public class Dog implements Guard{ }
```

which of the following statements is correct?

A. This code will not compile, because method doYourJob() in interface Guard must be defined abstract.

B. This code will not compile, because class Dog must implement method doYourJob() from interface Guard.

C. This code will not compile, because in the declaration of class Dog we must use the keyword extends instead of implements.

D. This code will compile without any errors.

Answer & Solution

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Answer & Solution

Answer: Option D
No explanation is given for this question **Let's Discuss on Board (https://www.examveda.com/given-the-following-piece-of-code-java-programming-on-interfaces-and-abstract-class-8)**

9. In Java, declaring a class abstract is useful

A. To prevent developers from further extending the class.

B. **When it doesn't make sense to have objects of that class.** ✓

C. When default implementations of some methods are not desirable.

D. To force developers to extend the class not to use its capabilities.

E. When it makes sense to have objects of that class.

Answer & Solution

Discuss in Board (https://www.examveda.com/in-java-declaring-a-class-abstract-is-useful-java-programming-on-interfaces-and-abstract-class-9)

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Answer & Solution

Answer: Option B

No explanation is given for this question **Let's Discuss on Board (https://www.examveda.com/in-java-declaring-a-class-abstract-is-useful-java-programming-on-interfaces-and-abstract-class-9)**

10. What will be the output?

```
interface A{
        public void method();
}
class One{
        public void method(){
                System.out.println("Class One method");
        }
}
class Two extends One implements A{
        public void method(){
                System.out.println("Class Two method");
        }
}
public class Test extends Two{
        public static void main(String[] args){
                A a = new Two();
                a.method();
        }
}
```

A. will print Class One method

B. **will print Class Two method**

C. compiles fine but print nothing

D. Compilation Error

E. None of these

Answer & Solution

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Answer & Solution

Answer: Option B

No explanation is given for this question **Let's Discuss on Board (https://www.examveda.com/what-will-be-the-output-java-programming-on-interfaces-and-abstract-class-10)**

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