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Inheritance -Java Programming MCQ Questions and Answers

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11. What will be the output?

```
class One{
    final int a = 15;
}

class Two extends One{
    final int a = 20;
}

public class Test extends Two{
    final int a = 30;

    public static void main(String args[]){
        Test t = new One();
        System.out.print(t.a);
    }
}
```

- A. ☐ 15
- B. ☐ 20



C. ☐ 30


D. ☐ Compiler Error

E. ☐ None of these

Answer & Solution

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Answer & Solution

Answer: Option D

Solution:

We can't store super class object in subclass reference But we can store subclass object in super class reference.

12. What will be the output?

```
class A{
    int i = 10;
    public void printValue() {
        System.out.print("Value-A");
    }
}

class B extends A{
    int i = 12;
    public void printValue() {
        System.out.print("Value-B");
    }
}

public class Test{
    public static void main(String args[]){
        A a = new B();
        a.printValue();
        System.out.print(a.i);
    }
}
```




- A. ☐ Value-B 11
- B. ☐ Value-B 10
- C. ☐ Value-A 10
- D. ☐ Value-A 11
- E. ☐ None of these

Answer & Solution

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Answer & Solution

Answer: Option B

Solution:

If you create object of subclass with reference of super class like (A a = new B();) then subclass method and super class variable will be executed.

13. What will be the result after compiling this code?



```
class SuperClass{
    public int doIt(String str, Integer... data)throws
Exception{
        String signature = "(String, Integer[])";
        System.out.println(str + " " + signature);
        return 1;
    }
}

public class Test extends SuperClass{
    public int doIt(String str, Integer... data){
        String signature = "(String, Integer[])";
        System.out.println("Overridden: " + str + "
" +signature);
        return 0;
    }

    public static void main(String... args){
        SuperClass sb = new Test();
        sb.doIt("hello", 3);
    }
}
```

- A. ☐ Overridden: hello (String, Integer[])
- B. ☐ hello (String, Integer[])
- C. ☐ Compilation fails
- D. ☐ None of these

[Answer & Solution](#)[Discuss in Board \(https://www.examveda.com/what-will-be-the-result-after-compiling-this-code-java-programming-on-inheritance-13\)](https://www.examveda.com/what-will-be-the-result-after-compiling-this-code-java-programming-on-inheritance-13)[Share \(http://www.facebook.com/share.php?u=https://www.examveda.com/what-will-be-the-result-after-compiling-this-code-java-programming-on-inheritance-13\)](http://www.facebook.com/share.php?u=https://www.examveda.com/what-will-be-the-result-after-compiling-this-code-java-programming-on-inheritance-13)[Save for Later](#)

Answer & Solution

Answer: Option C
Solution:



Exception must be caught or declared to be thrown.

14.

```
class A{
    A(String s){}

    A() {}
}

1. class B extends A{
2.     B() {}
3.     B(String s){
4.         super(s);
5.     }
6.     void test(){
7.         // insert code here
8.     }
9. }
```

Which of the below code can be insert at line 7 to make clean compilation ?

- A. ☐ A a = new B();
- B. ☐ A a = new B(5);
- C. ☐ A a = new A(String s);
- D. ☐ All of the above
- E. ☐ None of these

[Answer & Solution](#)

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Answer & Solution



Answer: Option A

No explanation is given for this question **Let's Discuss on Board** (<https://www.examveda.com/java-programming-on-inheritance-14>)

15. Determine output:

```
class A{
    public void printValue(){
        System.out.println("Value-A");
    }
}
class B extends A{
    public void printNameB(){
        System.out.println("Name-B");
    }
}
class C extends A{
    public void printNameC(){
        System.out.println("Name-C");
    }
}

1. public class Test{
2.     public static void main (String[] args){
3.         B b = new B();
4.         C c = new C();
5.         newPrint(b);
6.         newPrint(c);
7.     }
8.     public static void newPrint(A a){
9.         a.printValue();
10.    }
11. }
```

- A. ☐ Value-A Name-B
- B. ☐ Value-A Value-A
- C. ☐ Value-A Name-C
- D. ☐ Name-B Name-C




E. ☐ None of these

Answer & Solution

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Answer & Solution

Answer: Option B

Solution:

Class B extended Class A therefore all methods of Class A will be available to class B except private methods. Class C has extended Class A therefore all methods of Class A will be available to class C except private methods.



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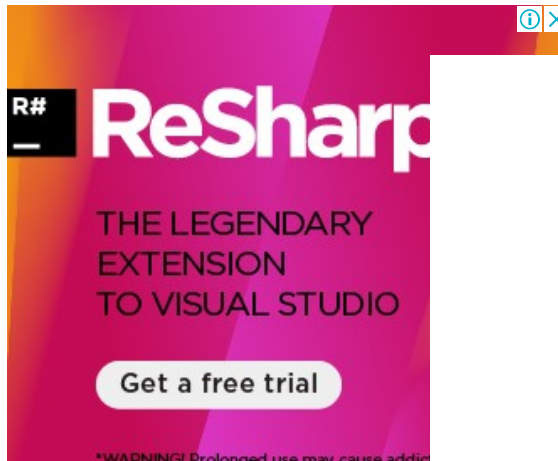
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Java Program

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