**1. What will be the output of the program?**

public class Foo {  
 public static void main(String[] args) {  
 try {  
 return;  
 } finally {  
System.*out*.println("Finally");  
 }  
 }  
}

A. Finally

B. Compilation fails.

C. The code runs with no output.

D. An exception is thrown at runtime.

**2. What will be the output of the program?**

try {  
int x = 0;  
int y = 5 / x;  
} catch (Exception e) {  
System.*out*.println("Exception");  
} catch (ArithmeticException ae) {  
System.*out*.println(" Arithmetic Exception");  
}  
System.*out*.println("finished");

A. finished B. Exception

C. Compilation fails. D. Arithmetic Exception

**3.What will be the output of the program?**

public class X {  
 public static void main(String[] args) {  
 try {  
*badMethod*();  
System.*out*.print("A");  
 } catch (Exception ex) {  
System.*out*.print("B");  
 } finally {  
System.*out*.print("C");  
 }  
System.*out*.print("D");  
 }  
  
 public static void badMethod() {  
 throw new Error(); /\* Line 22 \*/  
 }  
}

A. ABCD

B. Compilation fails.

C. C is printed before exiting with an error message.

D. BC is printed before exiting with an error message.

**4.What will be the output of the program?**

public class X {  
 public static void main(String[] args) {  
 try {  
*badMethod*();  
System.*out*.print("A");  
 } catch (RuntimeException ex) /\* Line 10 \*/ {  
System.*out*.print("B");  
 } catch (Exception ex1) {  
System.*out*.print("C");  
 } finally {  
System.*out*.print("D");  
 }  
System.*out*.print("E");  
 }  
  
 public static void badMethod() {  
 throw new RuntimeException();  
 }  
}

}

A. BD B. BCD

C. BDE D. BCDE

**5. What will be the output of the program?**

public class RTExcept {  
 public static void throwit() {  
System.*out*.print("throwit ");  
 throw new RuntimeException();  
 }  
  
 public static void main(String[] args) {  
 try {  
System.*out*.print("hello ");  
*throwit*();  
 } catch (Exception re) {  
System.*out*.print("caught ");  
 } finally {  
System.*out*.print("finally ");  
 }  
System.*out*.println("after ");  
 }  
}

A. hello throwit caught

B. Compilation fails

C. hello throwitRuntimeException caught after

D. hello throwit caught finally after

**6. What will be the output of the program?**

public class Test {  
 public static void aMethod() throws Exception {  
 try /\* Line 5 \*/ {  
 throw new Exception(); /\* Line 7 \*/  
 } finally /\* Line 9 \*/ {  
System.*out*.print("finally "); /\* Line 11 \*/  
 }  
 }  
  
 public static void main(String args[]) {  
 try {  
*aMethod*();  
 } catch (Exception e) /\* Line 20 \*/ {  
System.*out*.print("exception ");  
 }  
System.*out*.print("finished"); /\* Line 24 \*/  
 }  
  
}

Программа выведет: finally exception finished

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**7. What will be the output of the program?**

public class X {  
 public static void main(String[] args) {  
 try {  
*badMethod*();  
System.*out*.print("A");  
 } catch (Exception ex) {  
System.*out*.print("B");  
 } finally {  
System.*out*.print("C");  
 }  
System.*out*.print("D");  
 }  
  
 public static void badMethod() {  
 }  
}

A. AC B. BC

C. ACD D. ABCD

**8.What will be the output of the program?**

public class X {  
 public static void main(String[] args) {  
 try {  
*badMethod*(); /\* Line 7 \*/  
System.*out*.print("A");  
 } catch (Exception ex) /\* Line 10 \*/ {  
System.*out*.print("B"); /\* Line 12 \*/  
 } finally /\* Line 14 \*/ {  
System.*out*.print("C"); /\* Line 16 \*/  
 }  
System.*out*.print("D"); /\* Line 18 \*/  
 }  
  
 public static void badMethod() {  
 throw new RuntimeException();  
 }  
}

A. AB B. BC

C. ABC D. BCD

**9. What will be the output of the program?**

public class MyProgram {  
 public static void main(String args[]) {  
 try {  
System.*out*.print("Hello world ");  
 } finally {  
System.*out*.println("Finally executing ");  
 }  
 }  
}

A. Nothing. The program will not compile because no exceptions are specified.

B. Nothing. The program will not compile because no catch clauses are specified.

C. Hello world.

D. Hello world Finally executing

**10.What will be the output of the program?**

class Exc0 extends Exception {  
}  
  
class Exc1 extends Exc0 {  
} /\* Line 2 \*/  
  
public class Test {  
 public static void main(String args[]) {  
 try {  
 throw new Exc1(); /\* Line 9 \*/  
 } catch (Exc0 e0) /\* Line 11 \*/ {  
System.*out*.println("Ex0 caught");  
 } catch (Exception e) {  
System.*out*.println("exception caught");  
 }  
 }  
}

A. Ex0 caught

B. exception caught

C. Compilation fails because of an error at line 2.

D. Compilation fails because of an error at line 9.