

第三次作业

(1). 给出如下的Java代码:

```
1. class C {  
2.     public static void main(String[] args) {  
3.         int a=0, b=5;  
4.         try {  
5.             System.out.print(a/b+b/a);  
6.         } catch {  
7.             System.out.println("Exceptions!!!");  
8.         }  
9.     }  
10. }
```



编译以上代码, 会出现什么错误?

- A. Prints: Exceptions!!!
- B. Prints Nothing
- C. Syntax error
- D. Runtime Error
- E. None of the above

Answer:

(2). 有以下Java代码:

```
1. class A {  
2.     public static void main(String[] args) {  
3.         int a=0, b=5;  
4.         String c[] = {"A", "B", "C"};  
5.         try {  
6.             for(int i=1; i<4; i++) {  
7.                 System.out.print(c[i]);  
8.             }  
9.             System.out.print(a/b+b/a);  
10.        }  
11.        catch(ArithmeticException e) {  
12.            System.out.println("D");  
13.        }  
14.        catch(ArrayIndexOutOfBoundsException e) {  
15.            System.out.println("E");  
16.        }  
17.    }  
18. }
```



编译并执行代码, 会出现哪种结果?

- A. Prints: ABC
- B. Prints: ABD
- C. Prints: BCE
- D. Prints: BCDE

E. Compiler Error

Answer:

(3). 有以下Java代码:

```
1. class A {
2.     public static void main(String[] args){
3.         int a=0, b=5;
4.         String c[] = {"A", "B", "C"};
5.         try {
6.             System.out.print(c[a/b]);
7.             try {
8.                 for(int i=0; i<4; i++) {
9.                     System.out.print(c[i]);
10.                }
11.            }
12.            catch (Exception e)
13.            {
14.                System.out.println("D");
15.            }
16.            finally {
17.                System.out.println("E");
18.            }
19.        }
20.        catch (Exception e) {
21.            System.out.println("F");
22.        }
23.        finally {
24.            System.out.println("G");
25.        }
26.    }
27. }
```

编译并执行代码，会出现哪种结果？

- A. Prints: AABCG
- B. Prints: ABCDG
- C. Prints: AABCDG
- D. Prints: AABCDEG
- E. Prints: AABCDEFG

Answer:

(4). 有以下Java代码:

```
1. class Num {
2.     public static void main( String[] args ) {
3.         int src[] = {10, 9, 8, 7, 6, 5, 4, 3, 2, 1};
4.         int res[] = {1, 2, 3, 4, 5};
```

```

5.         System.arraycopy(src, 0, res, 0, src.length);
6.         for(int i=0; i<res.length; i++) {
7.             System.out.print(res[i]);
8.         }
9.     }
10. }

```

What is the result?

- A. 10987654321
- B. 10987612345
- C. 12345612345
- D. Compiler error
- E. Runtime exception

Answer:

(5). 有以下Java代码:

```

1. class A {
2.     public static void main (String[] args) {
3.         byte a[] = new byte[2];
4.         long b[] = new long[2];
5.         float c[] = new float[2];
6.         Object d[] = new Object[2];
7.         System.out.print(a[1]+", "+b[1]+", "+c[1]+", "+d[1]);
8.     }
9. }

```

编译并执行代码，会出现哪种结果？

- A. Prints: 0,0,0,null
- B. Prints: 0,0,0.0,null
- C. Prints: 0,0,0,0
- D. Prints: null,null,null,null
- E. The code runs with no output.

Answer:

(6). 有以下Java代码:

```

1. class A {
2.     public static void main(String[] args) {
3.         int[ ] var1;
4.         int[5] var2;
5.         int[] var3;
6.         int var4[];
7.     }
8. }

```



编译并执行代码，会出现哪种结果？

- A. compile-time errors occur at line 3
- B. compile-time errors occur at line 4

- C. compile-time errors occur at line 5
- D. compile-time errors occur at line 6
- E. None of the above

Answer:

(7). 有以下Java代码:

```
1. class A {  
2.     static void my() throws ArithmeticException {  
3.         System.out.print("A");  
4.         throw new ArithmeticException("A");  
5.     }  
6.     public static void main (String args []) {  
7.         try {  
8.             my();  
9.         }  
10.        catch (Exception e) {  
11.            System.out.print("B");  
12.        }  
13.        finally {  
14.            System.out.print("C");  
15.        }  
16.    }  
17.}
```



编译并执行代码，会出现哪种结果？

- A. Prints: A
- B. Prints: AC
- C. Prints: ABC
- D. Prints: AABC
- E. Prints: C

Answer:

(8). 有以下Java代码:

```
1. class B extends Exception {}  
2. class C extends B {}  
3. class D extends C {}  
4. class A {  
5.     public static void main(String args[]) {  
6.         int a,b,c,d,x,y,z;  
7.         a = b = c = d = x = y = 0;  
8.         z = 1;  
9.         try {  
10.            try {  
11.                switch(z) {  
12.                    case 1: throw new B();
```

```

13.                case 2: throw new C();
14.                case 3: throw new D();
15.                case 4: throw new Exception();
16.                }
17.                a++;
18.            }
19.            catch ( C e ) {b++;}
20.            finally {c++;}
21.        }
22.        catch ( B e ) {d++;}
23.        catch ( Exception e ) {x++;}
24.        finally {y++;}
25.        System.out.print(a+","+b+","+c+","+d+","+x+","+y);
26.    }
27. }

```

编译并执行代码，会出现哪种结果？

- A. 0,0,1,1,0,1
- B. 0,1,0,1,1,0
- C. 0,0,1,1,0,1
- D. 0,1,1,1,1,1
- E. 1,1,0,1,0,0

Answer:

(9). 有以下Java代码:

```

1. class B extends Exception {
2.     public void myMethod( ) throws RuntimeException {}
3. }
4.
5. class A extend B{
6.     public void myMethod( ) throws Exception {}
7.     public static void main (String[] args) {}
8. }

```



编译错误会出现在哪一行？

- A. 1
- B. 2
- C. 6
- D. 7
- E. None of the above

Answer:

(10). 有以下Java代码:

```

1. class A {
2.     public static void main (String[] args) {
3.         int a=1, b=0;

```

```
4.      int c[] = {1,2,3};
5.      try {
6.          System.out.print(c[1]);
7.          try {
8.              System.out.print(a/b+b/a);
9.          }
10.         catch (ArithmeticException e)
11.         {
12.             System.out.print("C");
13.         }
14.     }
15.     catch (ArrayIndexOutOfBoundsException e) {
16.         System.out.print("A");
17.     }
18.     finally {
19.         System.out.print("B");
20.     }
21. }
22. }
```

编译并执行代码，会出现哪种结果？

- (A) 1BC
- (B) 1CB
- (C) 2BC
- (D) 2CB
- (E) 2AC

Answer: