

Given:

```
1. class Alligator {  
2. public static void main(String[] args) {  
3. int []x[] = {{1,2}, {3,4,5}, {6,7,8,9}};  
4. int [][]y = x;  
5. System.out.println(y[2][1]);  
6. }  
7. }
```

What is the result?

- A. 2
- B. 3
- C. 4
- D. 6
- E. 7
- F. Compilation fails.

Given:

```
13. public class Pass {  
14. public static void main(String [] args) {  
15. int x = 5;  
16. Pass p = new Pass();  
17. p.doStuff(x);  
18. System.out.print(" main x = " + x);  
19. }  
  
20.  
21. void doStuff(int x) {  
22. System.out.print(" doStuff x = " + x++);  
23. }  
24. }
```

What is the result?

- A. Compilation fails.
- B. An exception is thrown at runtime.
- C. doStuff x = 6 main x = 6
- D. doStuff x = 5 main x = 5
- E. doStuff x = 5 main x = 6
- F. doStuff x = 6 main x = 5

Given:

```
15. public class Yippee {  
16. public static void main(String [] args) {  
17. for(int x = 1; x < args.length; x++) {  
18. System.out.print(args[x] + " ");  
19. }  
20. }  
21. }
```

and two separate command line invocations:

java Yippee

java Yippee 1 2 3 4

What is the result?

- A. No output is produced.
1 2 3
- B. No output is produced.
2 3 4
- C. No output is produced.
1 2 3 4
- D. An exception is thrown at runtime.
1 2 3
- E. An exception is thrown at runtime.
2 3 4
- F. An exception is thrown at runtime.
1 2 3 4

Given:

```
3. public class Batman {  
4. int squares = 81;  
5. public static void main(String[] args) {  
6. new Batman().go();  
7. }  
8. void go() {  
9. incr(++squares);  
10. System.out.println(squares);  
11. }  
12. void incr(int squares) { squares += 10; }  
13. }
```

What is the result?

- A. 81
- B. 82
- C. 91
- D. 92

Given:

```
22. public void go() {  
23. String o = "";  
24. z:  
25. for(int x = 0; x < 3; x++) {  
26. for(int y = 0; y < 2; y++) {  
27. if(x==1) break;  
28. if(x==2 && y==1) break z;  
29. o = o + x + y;  
30. }  
31. }  
32. System.out.println(o);  
33. }
```

What is the result when the go() method is invoked?

- A. 00
- B. 0001
- C. 000120
- D. 00012021
- E. Compilation fails.
- F. An exception is thrown at runtime.

```
11. public class Test {  
12. public static void main(String [] args) {  
13. int x = 5;  
14. boolean b1 = true;  
15. boolean b2 = false;  
16.  
17. if ((x == 4) && !b2 )  
18. System.out.print("1 ");  
19. System.out.print("2 ");  
20. if ((b2 = true) && b1 )  
21. System.out.print("3 ");  
22. }  
23. }
```

What is the result?

- A. 2
- B. 3
- C. 1 2
- D. 2 3
- E. 1 2 3
- F. Compilation fails.
- G. An exception is thrown at runtime.

3. Given:

```
class Fork {  
    public static void main(String[] args) {  
        if (args.length == 1 && args[0].equals("test")) {  
            System.out.println("test case");  
        } else {  
            System.out.println("production " + args[0]);  
        }  
    }  
}
```

And the command-line invocation:

```
java Fork live2
```

What is the result?

- A. test case
- B. production live2
- C. test case live2
- D. Compilation fails
- E. An exception is thrown at runtime

Given:

```
11. String[] elements = { "for", "tea", "too" };  
12. String first = (elements.length > 0) ? elements[0] : null;
```

What is the result?

- A. Compilation fails.
- B. An exception is thrown at runtime.
- C. The variable first is set to null.
- D. The variable first is set to elements[0].