

JAVA means DURGA SOFT

SCJP / OCPJP

Question Bank

Chapter 4 : Flow Control



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4. Flow Control

Q: 01 Given:

```
10. public class Bar {  
11. static void foo( int... x ) {  
12. // insert code here  
13. }  
14. }
```

Which two code fragments, inserted independently at line 12, will allow the class to compile?
(Choose two.)

- A. foreach(x) System.out.println(z);
- B. for(int z : x) System.out.println(z);
- C. while(x.hasNext()) System.out.println(x.next());
- D. for(int i=0; i< x.length; i++) System.out.println(x[i]);

Answer: B, D

Q: 02 Click the Task button.

Place the correct Code in the Code Sample to achieve the expected results.

Expected Results

Output: 1 2 4 8 16 32

Code Sample

```
int [] y = { 1, 2, 4, 8, 16, 32 };  
System.out.print("Output: ");
```

Place here

```
System.out.print(x);  
System.out.print(" ");  
}
```

Code

for(int x : y) {	for(int x = y[]) {
foreach (y as x) {	foreach (int x : y) {
for(int x=1; x=y[]; x++) {	

Solution:

```
int [] y={1,2,4,8,16,32};  
System.out.print("output : ");  
for(int x : y) {  
System.out.println(x);  
System.out.println(" ");  
}
```

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Q: 03 Given:

```
25. int x = 12;  
26. while (x < 10) {  
27. x--;  
28. }  
29. System.out.print(x);  
What is the result?  
A. 0  
B. 10  
C. 12  
D. Line 29 will never be reached.
```

Answer: C

Q: 04 Given:

```
11. public static void main(String[] args) {  
12. Object obj = new int[] { 1, 2, 3 };  
13. int[] someArray = (int[])obj;  
14. for (int i : someArray) System.out.print(i + " ");  
15. }  
What is the result?
```

- A. 1 2 3
- B. Compilation fails because of an error in line 12.
- C. Compilation fails because of an error in line 13.
- D. Compilation fails because of an error in line 14.
- E. A ClassCastException is thrown at runtime.

Answer: A

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Q: 05 Given:

```
11. public static void main(String[] args) {  
12. for (int i = 0; i <= 10; i++) {
```

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```
13. if (i > 6) break;
14. }
15. System.out.println(i);
16. }
```

What is the result?

- A. 6
- B. 7
- C. 10
- D. 11
- E. Compilation fails.
- F. An exception is thrown at runtime.

Answer: E

Q: 06 Given:

```
11. public static void main(String[] args) {
12. Integer i = new Integer(1) + new Integer(2);
13. switch(i) {
14. case 3: System.out.println("three"); break;
15. default: System.out.println("other"); break;
16. }
17. }
```

What is the result?

- A. three
- B. other
- C. An exception is thrown at runtime.
- D. Compilation fails because of an error on line 12.
- E. Compilation fails because of an error on line 13.
- F. Compilation fails because of an error on line 15.

Answer: A

Q: 07 Given:

```
10. public class ClassA {
11. public void count(int i) {
12. count(++i);
13. }
14. }
```

And:

```
20. ClassA a = new ClassA();
21. a.count(3);
```

Which exception or error should be thrown by the virtual machine?

- A. StackOverflowError
- B. NullPointerException
- C. NumberFormatException
- D. IllegalArgumentException
- E. ExceptionInInitializerError

Answer: A

Q: 08 Given:

```
22. public void go() {
23. String o = "";
24. z:
```

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```
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.

Answer: C

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Q: 09 Given:

```
3. public class Breaker {  
4. static String o = "";  
5. public static void main(String[] args) {  
6. z:  
7. o = o + 2;  
8. for(int x = 3; x < 8; x++) {  
9. if(x==4) break;  
10. if(x==6) break z;  
11. o = o + x;  
12. }  
13. System.out.println(o);  
14. }  
15. }
```

What is the result?

- A. 23
- B. 234
- C. 235
- D. 2345
- E. 2357
- F. 23457

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G. Compilation fails.

Answer: G

Q: 10 Given:

35. `int x = 10;`

36. `do { 37. x--;`

38. `} while (x < 10);`

How many times will line 37 be executed?

A. ten times

B. zero times

C. one to nine times

D. more than ten times

Answer: D

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