

COP Java Surprise Test

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1. Exposing only necessary functionality to user or client is known as

- ☐ a. Encapsulation
- ☐ b. Abstraction
- ☐ c. Inheritance
- ☐ d. Polymorphism

2. Hiding internal data from the outside world, and accessing it only through publicly exposed methods is known as:

- ☐ a. Encapsulation
- ☐ b. Abstraction
- ☐ c. Inheritance
- ☐ d. Polymorphism



3. A blueprint for a software object is called a:

- ☐ a. Field
- ☐ b. Method
- ☐ c. Class
- ☐ d. Package

4. The term "instance variable" is another name for

- ☐ a. Static field
- ☐ b. non-static field
- ☐ c. Local variable
- ☐ d. Object

5. Java enables the creation of cross-platform programs by compiling into an intermediate representation called Java

- ☐ a. Byte code
- ☐ b. MSIL code
- ☐ c. Native code
- ☐ d. Assembly code

6. Command to execute a compiled java program is

- ☐ a. javac
- ☐ b. java
- ☐ c. run
- ☐ d. execute



7. Which of the following is smallest integer data type in java programming language?

- ☐ a. byte
- ☐ b. short
- ☐ c. int
- ☐ d. long

8. Which of the following is not a primitive data type?

- ☐ a. byte
- ☐ b. boolean
- ☐ c. char
- ☐ d. String

9. Which of the following is correct syntax for comments in java?

- ☐ a. // This is a comment
- ☐ b. # This is a comment
- ☐ c. 'This is a comment
- ☐ d. /* This is a comment

10. Which of the following is not a keyword in java?

- ☐ a. public
- ☐ b. static
- ☐ c. void
- ☐ d. main



11. Which of the list contains at least one word that is not a Java keyword?

- ☐ a. private, public, protected, final
- ☐ b. import, break, continue, switch, for, if, else
- ☐ c. int, long, float, double, char, string
- ☐ d. return, void, static, default

12. Which of the following keyword can be applied to top level class in Java?

- ☐ a. public
- ☐ b. private
- ☐ c. protected
- ☐ d. default

13. Which of the following is not correct for a constructor in java?

- ☐ a. It is used to initialize object state
- ☐ b. It can be overloaded
- ☐ c. It does have return type
- ☐ d. It does have access to 'this' keyword



14.

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println("Hello" + 1 + 2);  
    }  
}
```

What will be the output of above java program:

- ☐ a. Hello
- ☐ b. Hello3
- ☐ c. Hello12
- ☐ d. Compiler Error

15.

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println(1 + 2 + "Hello");  
    }  
}
```

What will be the output of above java program:

- ☐ a. 3Hello
- ☐ b. 12Hello
- ☐ c. Hello12
- ☐ d. Compiler Error

16.

```
public class Hello {  
    public static void main(String[] args) {  
        int a = 5; int b = 6;  
        double avg = (a + b) / 2;  
        System.out.println(avg);  
    }  
}
```

What will be the output of above java program:

- ☐ a. 5.0
- ☐ b. 5
- ☐ c. 5.5
- ☐ d. Compiler Error

17.

```
class Test{  
    public static void main(String args[]){  
        int num = 2;  
        switch(num){  
            case 1 : System.out.print("A");  
            case 2 : System.out.print("B");  
            case 3 : System.out.print("C");  
            default : System.out.print("D");  
        }  
    }  
}
```

What will be the output of above java program?

- ☐ a. B
- ☐ b. BC
- ☐ c. BCD
- ☐ d. ABCD

18.

```
class Test {  
    static{  
        System.out.print("P");  
    }  
  
    static void foo(){  
        System.out.print("Q");  
    }  
  
    public static void main (String[] args) {  
        System.out.print("R");foo();  
    }  
  
    static{  
        System.out.print("S");  
    }  
  
}
```

What will be the output of above java program?

- ☐ a. PQRS
- ☐ b. PRQS
- ☐ c. RQPS
- ☐ d. PSRQ

19.

```
class Test{  
  
    public static void main(String args[]){  
  
        String s1 = "P";  
  
        String s2 = "Q";  
  
        String s3 = "R";  
  
        s1=s2; s2=s3; s3=s1;  
  
        System.out.println(s1+s2+s3);  
  
    }  
  
}
```

What will be the output of above java program?

- ☐ a. PQR
- ☐ b. QRQ
- ☐ c. PRP
- ☐ d. RQR

20.

```
20. class Test{  
    void f1(){System.out.print("P");}  
    void f2(){System.out.print("Q");}  
    String f3(){return "R";}  
  
    public static void main(String args[]){  
        Test t = new Test();  
        t.f1();t.f2();t.f3();  
    }  
}
```

What will be the output of above program?

- ☐ a. PQR
- ☐ b. PQ
- ☐ c. QR
- ☐ d. R

21. Which of the following is correct syntax to write for-loop in java?

- ☐ a. for(int i : 5) {System.out.println(i); i++;}
- ☐ b. for(int i=1;i<5;i++) {System.out.println(i); }
- ☐ c. for(int i=1; i<5) {System.out.println(i); i++;}
- ☐ d. for(int i=1;i<5;i++) {System.out.println(i);}

22. Which of the following is a valid identifier in java?

- ☐ a. 123avg
- ☐ b. avgOf@5Number
- ☐ c. avgOf5Number
- ☐ d. avgOf5Number



23. Which of the following operator can be used to check equality of two primitive variables?

- ☐ a. =
- ☐ b. ==
- ☐ c. <>
- ☐ d. ><

24. Which of the following is not a valid syntax for array in java?

- ☐ a. `int arr[] = new int[5]`
- ☐ b. `int arr[] = new int[]{1,2,3,4,5}`
- ☐ c. `int arr[] = new int[5]{1,2,3,4,5}`
- ☐ d. `int arr[] = {1,2,3,4,5}`

25. Which of the following is correct syntax to get size of the array (`int arr[]`)?

- ☐ a. `arr.size()`
- ☐ b. `arr.length()`
- ☐ c. `arr.size`
- ☐ d. `arr.length`

26. Which of the following is correct memory area where array is stored in java?

- ☐ a. Stack
- ☐ b. Heap
- ☐ c. Method Area
- ☐ d. PC Register



27. How to access 5th element of array named as arr?

- ☐ a. arr[5]
- ☐ b. arr[4]
- ☐ c. arr[FIVE]
- ☐ d. arr[arr.length]

28. Which of the following is platform independent?

- ☐ a. Java Compiler
- ☐ b. Java Virtual Machine
- ☐ c. Java Development Kit
- ☐ d. None of these

29. Which of the following loads class files into memory?

- ☐ a. Java Compiler
- ☐ b. Class Loader
- ☐ c. Bytecode Verifier
- ☐ d. Java Virtual Machine



30.

30. What will be the output If below class is executed like: `java Hello 10 20 30`

```
class Hello{  
    public static void main(String args[]) {System.out.print(args[1]);}  
}
```

- ☐ a. 10
- ☐ b. 20
- ☐ c. 30
- ☐ d. Runtime Error

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