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Objective Question



Course : CSA0954 Programming in Java for Mainframe Applications
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1. Number of primitive data types in Java are?
a) 6 b) 7 c) 8 d) 9
2. What is the size of float and double in java?
a) 32 and 64 b) 32 and 32 c) 64 and 64 d) 64 and 32
3. Automatic type conversion is possible in which of the possible cases?
a) Byte to int b) Int to long c) Long to int d) Short to int
4. Find the output of the following code.

```
int Integer = 24;  
char String = 'I';  
System.out.print(Integer);  
System.out.print(String);
```


a) Compile error b) Throws exception c) I d) 24 I
5. Find the output of the following program.

```
public class Solution{  
    public static void main(String[] args){  
        short x = 10;  
        x = x * 5;  
        System.out.print(x);  
    }  
}
```


a) 50 b) 10 c) Compile error d) Exception
6. Find the output of the following program.

```
public class Solution{  
    public static void main(String[] args){  
        byte x = 127;  
        x++;  
        x++;  
        System.out.print(x);  
    }  
}
```


a) -127 b) 127 c) 129 d) 2
7. Select the valid statement.
a) `char[] ch = new char(5)` b) `char[] ch = new char[5]`
c) `char[] ch = new char()` d) `char[] ch = new char[]`

8. Find the output of the following program.

```
public class Solution{
    public static void main(String[] args){
        int[] x = {120, 200, 016};
        for(int i = 0; i < x.length; i++){
            System.out.print(x[i] + " ");
        }
    }
}
```

- a) 120 200 016 b) 120 200 14 c) 120 200 16 d) None

9. When an array is passed to a method, what does the method receive?

- a) The reference of the array b) A copy of the array
c) Length of the array d) Copy of first element

10. Select the valid statement to declare and initialize an array.

- a) int[] A = {} b) int[] A = {1, 2, 3} c) int[] A = (1, 2, 3) d) int[][] A = {1,2,3}

11. Find the value of A[1] after execution of the following program.

```
int[] A = {0,2,4,1,3};
for(int i = 0; i < a.length; i++){
    a[i] = a[(a[i] + 3) % a.length];
}
a) 0   b) 1   c) 2   d) 3
```

12. Arrays in java are-

- a) Object references b) objects c) Primitive data type d)None

13. When is the object created with new keyword?

- a) At run time b)At compile time c)Depends on the code d)None

14. Identify the corrected definition of a package.

- a) A package is a collection of editing tools b) A package is a collection of classes
c) A package is a collection of classes and interfaces d) A package is a collection of interfaces

15. Identify the correct restriction on static methods.

1. They must access only static data
 2. They can only call other static methods.
 3. They cannot refer to this or super.
- a) I and II b) II and III c) Only III d)I, II and III

16. Identify the keyword among the following that makes a variable belong to a class, rather than being defined for each instance of the class.

- a) final b)static c) volatile d) abstract

17. Identify what can directly access and change the value of the variable res.

```
Package com.mypackage;
Public class Solution{
    Private int res = 100;
}
```

- a) Any class b) Only Solution class c) Any class that extends Solution d) None

18. In which of the following is toString() method defined?
 a) java.lang.Object b) java.lang.String c) java.lang.util d) None
19. compareTo() returns
 a) True b) False c) An int value d) None
20. Identify the output of the following program.

```
String str = "abcde";
System.out.println(str.substring(1, 3));
```

 a) abc b) bc c) bcd d) cd
21. Identify the output of the following program.

```
String str = "Hellow";
System.out.println(str.indexOf('t'));
```

 a) 0 b) 1 c) true d) -1
22. Identify the output of the following program.

```
Public class Test{
    Public static void main(String argos[]){
        String str1 = "one";
        String str2 = "two";
        System.out.println(str1.concat(str2));
    }
}
```

 a) one b) two c) one two d) two one
23. What does the following string do to given string str1.
String str1 = "Interviewbit".replace('e', 's');
 a) Replaces single occurrence of 'e' to 's'. b) Replaces all occurrences of 'e' to 's'.
 c) Replaces single occurrence of 's' to 'e'. d) None.
24. To which of the following does the class string belong to.
 a) java.lang b) java.awt c) java.applet d) java.string
25. How many objects will be created in the following?

```
String a = new String("Interviewbit");
String b = new String("Interviewbit");
String c = "Interviewbit";
String d = "Interviewbit";
```

 a) 2 b) 3 c) 4 d) None
26. Total constructor string class have?
 a) 3 b) 7 c) 13 d) 20
27. Find the output of the following code.

```
int ++a = 100;
System.out.println(++a);
```

 a) 101 b) Compile error as ++a is not valid identifier c) 100 d) None
28. Find the output of the following code.

```
if(1 + 1 + 1 + 1 + 1 == 5){
```

```

        System.out.print("TRUE");
    }
    else{
        System.out.print("FALSE");
    }

```

- a) TRUE b) FALSE c) Compile error d) None

29. Find the output of the following code.

```

Public class Solution {
    Public static void main(String... argos){
        Int x = 5;
        x *= (3 + 7);
        System.out.println(x);
    }

```

- a) 50 b) 22 c) 10 d)None

30. Identify the return type of a method that does not return any value.

- a) int b) void c) double d) None

31. Output of Math.floor (3.6)?

- a) 3 b) 3.0 c) 4 d)4.0

32. Where does the system stores parameters and local variables whenever a method is invoked?

- a) Heap b) Stack c) Array d) Tree

33. Identify the modifier which cannot be used for constructor.

- a) public b) protected c) private d) static

34. What is the variables declared in a class for the use of all methods of the class called?

- a) Object b) Instance variables c) Reference variable d) None

35. What is the implicit return type of constructor?

- a) No return type b) A class object in which it is defined c) void d) None

36. When is the finalize() method called?

- a) Before garbage collection b) Before an object goes out of scope
c) Before a variable goes out of scope d) None

37. Identify the prototype of the default constructor.

Public class Solution {}

- a) Solution(void) b) Solution() c) public Solution(void) d) public Solution()

38. Identify the correct way of declaring constructor.

Public class Solution {}

- a) Solution(){} b) public Solution(){} c) Solution(void){} d) Both (A) and (B)

39. Find the output of the following code.

```

Public class Solution {
    Public static void main(String args[]){
        Int i;
        for(i = 1; i < 6; i++){
            if(i > 3) continue;

```



```

        }
        System.out.println(i);
    }
}
a) 3    b) 4    c) 5    d) 6

```

40. How many times will "Interviewbit" be printed.

```

Int count = 0;
do{
    System.out.println("Interviewbit");
    count++;
} while(count < 10);
a) 8    b) 9    c) 10    d) 11

```

41. Identify the infinite loop.

a) for(;) b) for(int i = 0; i < 1; i--) c) for(int i = 0; ;i++) d) All of the above

42. What is Runnable?

a) Abstract class b) Interface c) Class d) Method

43. Exception created by **try** block is caught in which block

a) catch b) throw c) final d) none

44. Which of the following exception is thrown when divided by zero statement is executed?

a) NullPointerException b) NumberFormatException c) ArithmeticException d) None

45. Where is System class defined?

a) java.lang.package b) java.util.package c) java.io.package d) None

46. Identify the interface which is used to declare core methods in java?

a) Comparator b) EventListener c) Set d) Collection

47. Which of the following statements are true about finalize() method?

a) It can be called Zero or one times b) It can be called Zero or more times
c) It can be called Exactly once d) It can be called One or more times

48. What does the operator >>>> do?

a) Right shift operator b) Left shift operator c) Zero fill left shift d) Zero fill right shift

49. Identify the incorrect Java feature.

a) Object oriented b) Use of pointers c) Dynamic d) Architectural neural

50. Which of the following is used to find and fix bugs in the program?

a) JDK b) JRE c) JVM d) JDB