

Java MCQs - 3

Topics : [Node.js](#)

Written on [March 18, 2024](#)

21. What is the output of the following code?

```
int x = 10;  
System.out.println(x++);
```

- A) 10
- B) 11
- C) 9
- D) Compiler error

Answer: A) 10

22. Which of the following access specifiers provides the widest accessibility in Java?

- A) public
- B) private
- C) protected
- D) default

Answer: A) public

23. What is the correct way to convert a string to an integer in Java?

- A) `int num = Integer.parseInt("10");`
- B) `int num = String.toInt("10");`
- C) `int num = "10".toInteger();`
- D) `int num = (int)"10";`

Answer: A) `int num = Integer.parseInt("10");`

24. In Java, what does the term "polymorphism" refer to?

- A) A class having multiple constructors
- B) A method having multiple return types
- C) A variable having multiple data types
- D) The ability of an object to take many forms

Answer: D) The ability of an object to take many forms

25. Which of the following statements about interfaces in Java is true?

- A) An interface can contain implementation of methods.
- B) A class can implement multiple interfaces using the 'implements' keyword.
- C) An interface cannot extend another interface.
- D) Interfaces can have constructors in Java.

Answer: B) A class can implement multiple interfaces using the 'implements' keyword.

26. What is the purpose of the 'this' keyword in Java?

- A) It refers to the superclass of the current class.
- B) It refers to the subclass of the current class.
- C) It refers to the current instance of the class.
- D) It refers to the parent class of the current class.

Answer: C) It refers to the current instance of the class.

27. Which of the following statements is true about method overloading in Java?

- A) Method overloading occurs when two methods have the same name and parameters but different return types.
- B) Method overloading occurs when two methods have the same name and return type but different parameters.
- C) Method overloading occurs when two methods have the same name, parameters, and return type.
- D) Method overloading is not allowed in Java.

Answer: B) Method overloading occurs when two methods have the same name and return type but different parameters.

28. What is the output of the following code?

```
String str1 = "hello";  
String str2 = "world";  
System.out.println(str1 + str2);
```

- A) helloworld
- B) hello world
- C) hello+world
- D) Compiler error

Answer: A) helloworld

29. What does the 'new' keyword do in Java?

- A) It creates a new instance of a class.
- B) It allocates memory for an object.
- C) It initializes variables.
- D) All of the above

Answer: D) All of the above

30. Which of the following is a valid declaration of a multidimensional array in Java?

- A) `int[][] arr = new int[3,3];`

- B) `int[][] arr = new int[3][3];`
- C) `int arr[][] = new int[3][3];`
- D) All of the above

Answer: B) `int[][] arr = new int[3][3];`

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