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Java MCQ Questions

About Java Programming Language:

Java is a full-featured, general purpose object-oriented programming language that can be used for develop robust mission-critical applications. It was used to develop the code to communicate with the robotic rover on Mars. It was **developed by James Gosling** at Sun Microsystems, java was initially designed for consumer electronic devices such as televisions, washing machines, microwaves and other similar electronic devices. Java applications are platform independent, which means that java applications can run on any platform. The term platform refers to a specific combination of hardware and system software.

Short Overview of Java Programming Language

Language	Java Programming Language
Designed By	James Gosling
Developed By	Oracle Corporation
Released On	23 May 1995 (about 26 years ago)
File Name Extensions	.java, .class, .jar, .jmod
Official Website	www.java.com oracle.com.java

Practice Best Core Java Multiple Choice Questions

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Q1. Java was originally developed by -

- A. Brendan Eich
- B. James Gosling
- C. Tim Berners-Lee
- D. Guido van Rossum

Q2. Which of the following function is used to find and fix bugs in the Java programs?

- A. JVM
- B. JDK
- C. JRE
- **D. JDB**

Q3. _____ is the return type of the hashCode() method in the Object class?

- **A. int**
- B. Object
- C. void
- D. long

Q4. Which of the following option is a valid long literal?

- A. L990023
- B. ABH8097
- C. 904423
- **D. 0xnf029L**

Q5. A single read/write operation performs _____ In character stream I/O.

- A. Eight bytes read/write at a time
- **B. Two bytes read/write at a time**
- C. One byte read/write at a time
- D. Five bytes read/ write at a time

Q6. _____ is the order of variables in Enum?

- A. Descending order
- **B. Ascending order**
- C. Random order
- D. Depends on the order

Q7. Which of the following method returns the elements of Enum class?

- A. getEnumList()
- B. getEnum()
- **C. getEnumConstants()**

- D. getEnums()

Q8. Which of the following is the limitation of toString() method of BigDecimal?

- A. toString returns null
- **B. toString uses scientific notation**
- C. toString returns the number in expanded form
- D. None of the above

Q9. BigDecimal is a part of _____ package?

- **A. java.math**
- B. java.lang
- C. java.util
- D. java.io

Q10. The LocalTime represents -

- **A. Time without Date**
- B. Date without time
- C. Date and Time
- D. Date and Time with timezone

Q11. How to get UTC time using Java?

- A. Date.getUTC();
- B. Time.getUTC();
- **C. Instant.now();**
- D. TimeZone.getUTC();

Q12. Literals in java must be appended by -

- A. D
- B. I
- C. L
- **D. L & I**

Q13. Which of the following is Truncation in Java?

- A. Integer value assigned to floating type
- B. Integer value assigned to floating type
- **C. Floating-point value assigned to an integer type**
- D. Floating-point value assigned to an Floating type

Q14. Arrays are _____ in Java?

- A. primitive data type
- **B. objects**
- C. object references
- D. None of These

Q15. _____ legally declare, construct and initialize an array

- A. `int [] myList = (5, 8, 2);`
- **B. `int myList [] = {4, 3, 7};`**
- C. `int myList [] [] = {4,9,7,0};`
- D. None of These

Q16. When you passed an array to a method, the method receives -

- A. A copy of the array
- B. The length of the array
- C. A copy of the first element
- **D. The reference of the array**

Q17. An attempt to add null key to a TreeMap will result in

- **A. Runtime - NullPointerException**
- B. Compile time Exception
- C. Error
- D. None of These

Q18. Which of the following keywords is used to define packages in Java?

- A. Pkg
- B. pkg
- C. package
- D. Package

Q19. _____ is the correct way of importing an entire package 'pkg'.

- A. Import pkg.
- B. import pkg.
- C. Import pkg.*
- D. import pkg.*

Q20. Which of the following method of class String is used to obtain length of String object?

- A. lengthof()
- B. Sizeof()
- C. length()
- D. lengthof()

Q21. What is the range of short data type in Java?

- A. -128 to 127
- B. -32768 to 32767
- C. -2147483648 to 2147483647
- D. None of the Above

Q22. Which data type value is returned by all transcendental math functions?

- A. int
- B. float
- C. long
- D. double

Q23. Which of these coding types is used for data type characters in Java?

- A. ASCII
- B. UNICODE

- C. ISO-LATIN-1
- D. All of the Above

Q24. Which one is a valid declaration of a boolean?

- A. boolean b1 = 1;
- B. boolean b4 = 'true'
- C. **boolean b3 = false;**
- D. boolean b2 = 'false';

Q25. Which of the following method returns the elements of Enum class?

- A. getEnum()
- B. getEnums()
- C. getEnumList()
- D. **getEnumConstants()**

Q26. BigDecimal is a part of package.

- A. java.io
- B. java.util
- C. **java.math**
- D. java.lang

Q27. How to format date from one form to another?

- A. DateFormat
- B. DateConverter
- C. SimpleFormat
- D. **SimpleDateFormat**

Q28. Which of these is long data type literal?

- A. **0x99ffL**
- B. 0x99ffa
- C. AbcDefG
- D. None of the above

Q29. Which of these is an incorrect array declaration?

- A. `int arr[] = new int[5]`
- B. `int arr[] = new int[5]`
- C. `int arr[] = int [5] new`
- D. None of above

Q30. Modulus operator, %, can be applied to which of these?

- A. Integers
- B. Floating – point numbers
- C. **Both Integers and floating – point numbers**
- D. None of the above

Q31. Which of the following is the correct statement to return java?

- A. `"Java".toUpperCase()`
- B. `toUpperCase("Java")`
- C. `String.toUpperCase("Java")`
- D. `"Java".toUpperCase("Java")`

Q32. Which of the following data type value is returned by all transcendental math functions?

- A. int
- B. long
- C. float
- D. **double**

Q33. A method is defined in a class as

```
<pre>
void processUser(int i) { }
If this method is overridden in a sub class,
</pre>
```

- A. the return type of new method should exactly match that of overridden method
- B. the argument list of new method should exactly match that of overridden method
- C. **Both A & B**

- **D.** None of the above

Q34. What will be the output of following code?

```
<pre>
public class Test1{
public static void main(String[] args){
int arr[] = new int[3];
for(int i = 0;i < arr.length;i++){
System.out.println(arr[i]); }}
</pre>
```

- **A. 0 0 0**
- **B.** null null null
- **C.** NullPointerException
- **D.** None of the above

Q35. Which of the following are the valid array declarations?

- **A.** int arr[] = new int[];
- **B.** float arr[10] = new fl
- **C. double []arr = new double[10];**
- **D.** None of the above

Q36. What will be the output of the following code?

```
<pre>
public class Test5{
public void Test5(){
System.out.println("Constructor1");}
public Test5(){
System.out.println("Constructor2"); }
public static void main(String[] args){
Test5 t5 = new Test5();}}
</pre>
```

- **A.** Compiler Error
- **B.** Constructor1
- **C. Constructor2**
- **D.** None of the Above

Q37. Which of the following are not wrapper classes?

- A. String
- B. Boolean
- C. Integer
- **D. StringBuffer**

Q38. Do Java Identifiers must start with a letter, dollar sign (\$), or underscore (_)?

- **A. Yes**
- B. No

Q39. What is the result of attempting to compile and run the following program?

```
<pre>
Class C {
public static void main(String[] args) {
int []a1[]=new int[3][3];
int a2[4]={3,4,5,6};
int a2[5];}}
</pre>
```

- A. Runtime Exception
- B. Compiletime error at line 3
- **C. Compiletime error at line 4,5**
- D. Compiletime error at lines 3,4,5

Q40. The length of an Array 'abc' can be found using

- A. abc.size
- **B. abc.length**
- C. abc.size()
- D. None of the above

Q41. stops MultiThreading.

- A. Yield()
- **B. Stop()**
- C. Synchronization
- D. None of the above

Q42. What is the value of String s in the following code?

```
<pre>
Properties p=new Properties();
String s=p.getProperty("JavaVersion");
</pre>
```

- **A. Gets version 1.8.16**
- B. Gets version 1.8
- C. Searches "JavaVersion"
- D. Gets Properties of JavaVersion

Q43. What is the output of following code?

```
<pre>
int []arr = {1,2,3,4};
for ( int i : arr )
{
    arr[i] = 0;
}
for ( int i : arr )
{
    System.out.println(i);
}
</pre>
```

- A. Prints 0 0 0 0
- **B. Prints 0 0 3 0**
- C. Prints 0 2 0 0
- D. Compile erro

Q44. Which of the following is data structure which stores the key/value pairs in the List?

- A. HashMap
- B. HashTable
- C. LinkedList
- **D. Both LinkedList & HashTable.**

Q45. Collections are used to store, retrieve and manipulate data and to transmit data from one method to another.

- **A. True**
- B. False

Q46. What is the output of following code?

```
<pre>
import java.util.*;
class test
{
private int x;
test(int input) { x = input; }
public static void main( String args[] )
{
List list = new ArrayList();
list.add(new test(2));
list.add(new test(2));
Collections.sort(list);
}
public int compare( test t1 , test t2 )
{
return t1.x - t2.x;
}
}
</pre>
```

- **A. Sorts the instances in ascending order**
- B. Sorts test instances based on variable x
- C. Sorts the instances in descending order.
- D. None of the above

Q47. Which of the following are not legal identifiers in Java ?

- A. String #baby;
- B. Long long;
- C. Short ~english;
- **D. All of the above**

Q48. Identify the super class of all errors and exceptions in the Java language.

- A. Error
- B. Exception
- C. Runnable
- **D. Throwable**

Q49. Which of the following interface provides methods for retrieving data returned by an SQL statement?

- A. Driver
- **B. ResultSet**
- C. Statement
- D. All of the above

Q50. Which of the following performs iteration in either direction, modify the list during iteration, and obtain the iterator's current position in the list?

- A. For
- B. Foreach
- C. Iterator
- **D. ListIterator**

Q51. A class that is defined with a parameter of a type is called a

- **A. Generic Class**
- B. Instance Class
- C. Type class
- D. Base Parameter Class

Q52. Which of the following method of Connection interface returns the instance of CallableStatement?

- **A. prepareCall()**
- B. CallMethod()
- C. preparedCall()
- D. connectioanCall()

Q53. List is used for collection of elements with duplicates.

- **A. True**
- B. False

Q54. Which of the following interface is used to order the objects of user-defined class in

java?

- A. Sort
- B. Collections
- C. Comparable
- **D. CompareTo**

Q55. What will be the output of the following code?

```
<pre>
class bike
{
}
class arr extends bike{
public static void main(String[] args) {
arr[] a1=new arr[2];
bike[] a2;
a2=a1; //3
arr[] a3;
a3=a1; //5
}}
</pre>
```

- **A. The code runs fine**
- B. Runtime exception
- C. compile time error at line 5
- D. None of the above

Q56. When Subclass type refers to the object of Parent class, it is known as

- A. Object
- **B. Up casting**
- C. Down casting
- D. Inheritance

Q57. What is the result of following code?

```
<pre>
import java.util.*;
class LinkedListDemo {
public static void main(String args[])
{
LinkedList l=new LinkedList();
l.add("The Firm");
l.add("A Time to Kill");
l.add("Rage of Angels");
}
```

```
l.add("The Best Laid Plans");  
}  
}  
</pre>
```

- A. Compile Error
- B. RunTime Error
- **C. Creates nodes of Linked List**
- D. Creates instance of Linked List

Q58. Which of the following keyword allows the main() method to be called, without needing to create an instance of the class?

- **A. static**
- B. abstract
- C. synchronize
- D. implements

Q59. Which option represents a string that can be modified?

- A. String
- B. String [];
- C. String [] []
- **D. StringBuffer**

Q60. Polymorphism is the capability of a method to do different things based on the object that is acting upon it.

- **A. True**
- B. False

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