**Java Programming MCQ (Multiple Choice Questions)**

[Here are 1000 MCQs on Java Programming (Chapterwise)](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-chapters).

1. Who invented Java Programming?  
a) Guido van Rossum  
b) James Gosling  
c) Dennis Ritchie  
d) Bjarne Stroustrup  
View Answer

Answer: b  
Explanation: Java programming was developed by James Gosling at Sun Microsystems in 1995. James Gosling is well known as the father of Java.

2. Which statement is true about Java?  
a) Java is a sequence-dependent programming language  
b) Java is a code dependent programming language  
c) Java is a platform-dependent programming language  
d) Java is a platform-independent programming language  
View Answer

Answer: d  
Explanation: Java is called ‘Platform Independent Language’ as it primarily works on the principle of ‘compile once, run everywhere’.

3. Which component is used to compile, debug and execute the java programs?  
a) JRE  
b) JIT  
c) JDK  
d) JVM  
View Answer

Answer: c  
Explanation: JDK is a core component of Java Environment and provides all the tools, executables and binaries required to compile, debug and execute a Java Program.

4. Which one of the following is not a Java feature?  
a) Object-oriented  
b) Use of pointers  
c) Portable  
d) Dynamic and Extensible  
View Answer

Answer: b  
Explanation: Pointers is not a Java feature. Java provides an efficient abstraction layer for developing without using a pointer in Java. Features of Java Programming are Portable, Architectural Neutral, Object-Oriented, Robust, Secure, Dynamic and Extensible, etc.

5. Which of these cannot be used for a variable name in Java?  
a) identifier & keyword  
b) identifier  
c) keyword  
d) none of the mentioned  
View Answer

Answer: c  
Explanation: Keywords are specially reserved words that can not be used for naming a user-defined variable, for example: class, int, for, etc.

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6. What is the extension of java code files?  
a) .js  
b) .txt  
c) .class  
d) .java  
View Answer

Answer: d  
Explanation: Java files have .java extension.

7. What will be the output of the following Java code?

1. **class** increment {
2. **public** **static** **void** main(String args[])
3. {
4. **int** g = 3;
5. System.out.print(++g \* 8);
6. }
7. }

a) 32  
b) 33  
c) 24  
d) 25  
View Answer

Answer: a  
Explanation: Operator ++ has more preference than \*, thus g becomes 4 and when multiplied by 8 gives 32.  
output:

$ javac increment.java

$ java increment

32

8. Which environment variable is used to set the java path?  
a) MAVEN\_Path  
b) JavaPATH  
c) JAVA  
d) JAVA\_HOME  
View Answer

Answer: d  
Explanation: JAVA\_HOME is used to store a path to the java installation.

9. What will be the output of the following Java program?

1. **class** output {
2. **public** **static** **void** main(String args[])
3. {
4. **double** a, b,c;
5. a = 3.0/0;
6. b = 0/4.0;
7. c=0/0.0;
9. System.out.println(a);
10. System.out.println(b);
11. System.out.println(c);
12. }
13. }

a) NaN  
b) Infinity  
c) 0.0  
d) all of the mentioned  
View Answer

Answer: d  
Explanation: For floating point literals, we have constant value to represent (10/0.0) infinity either positive or negative and also have NaN (not a number for undefined like 0/0.0), but for the integral type, we don’t have any constant that’s why we get an arithmetic exception.

10. Which of the following is not an OOPS concept in Java?  
a) Polymorphism  
b) Inheritance  
c) Compilation  
d) Encapsulation  
View Answer

Answer: c  
Explanation: There are 4 OOPS concepts in Java. Inheritance, Encapsulation, Polymorphism and Abstraction.

11. What is not the use of “this” keyword in Java?  
a) Referring to the instance variable when a local variable has the same name  
b) Passing itself to the method of the same class  
c) Passing itself to another method  
d) Calling another constructor in constructor chaining  
View Answer

Answer: b  
Explanation: “this” is an important keyword in java. It helps to distinguish between local variable and variables passed in the method as parameters.

12. What will be the output of the following Java program?

1. **class** variable\_scope
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **int** x;
6. x = 5;
7. {
8. **int** y = 6;
9. System.out.print(x + " " + y);
10. }
11. System.out.println(x + " " + y);
12. }
13. }

a) Compilation error  
b) Runtime error  
c) 5 6 5 6  
d) 5 6 5  
View Answer

Answer: a  
Explanation: Second print statement doesn’t have access to y , scope y was limited to the block defined after initialization of x.  
output:

$ javac variable\_scope.java

Exception in thread "main" java.lang.Error: Unresolved compilation problem: y cannot be resolved to a variable

13. What will be the error in the following Java code?

**byte** b = 50;

b = b \* 50;

a) b cannot contain value 50  
b) b cannot contain value 100, limited by its range  
c) No error in this code  
d) \* operator has converted b \* 50 into int, which can not be converted to byte without casting  
View Answer

Answer: d  
Explanation: While evaluating an expression containing int, bytes or shorts, the whole expression is converted to int then evaluated and the result is also of type int.

14. Which of the following is a type of polymorphism in Java Programming?  
a) Multiple polymorphism  
b) Compile time polymorphism  
c) Multilevel polymorphism  
d) Execution time polymorphism  
View Answer

Answer: b  
Explanation: There are two types of polymorphism in Java. Compile time polymorphism (overloading) and runtime polymorphism (overriding).

15. What will be the output of the following Java program?

1. **class** leftshift\_operator
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **byte** x = 64;
6. **int** i;
7. **byte** y;
8. i = x << 2;
9. y = (**byte**) (x << 2);
10. System.out.print(i + " " + y);
11. }
12. }

a) 0 256  
b) 0 64  
c) 256 0  
d) 64 0  
View Answer

Answer: c  
Explanation: None.  
output:

$ javac leftshift\_operator.java

$ java leftshift\_operator

256 0

16. What will be the output of the following Java code?

1. **class** box
2. {
3. **int** width;
4. **int** height;
5. **int** length;
6. }
7. **class** main
8. {
9. **public** **static** **void** main(String args[])
10. {
11. box obj = **new** box();
12. obj.width = 10;
13. obj.height = 2;
14. obj.length = 10;
15. **int** y = obj.width \* obj.height \* obj.length;
16. System.out.print(y);
17. }
18. }

a) 100  
b) 400  
c) 200  
d) 12  
View Answer

Answer: c  
Explanation: None.  
output:

$ javac main.java

$ java main

200

17. What is Truncation in Java?  
a) Floating-point value assigned to a Floating type  
b) Floating-point value assigned to an integer type  
c) Integer value assigned to floating type  
d) Integer value assigned to floating type  
View Answer

Answer: b  
Explanation: None.

18. What will be the output of the following Java program?

1. **class** Output
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **int** arr[] = {1, 2, 3, 4, 5};
6. **for** ( **int** i = 0; i < arr.length - 2; ++i)
7. System.out.println(arr[i] + " ");
8. }
9. }

a) 1 2 3 4 5  
b) 1 2 3 4  
c) 1 2  
d) 1 2 3  
View Answer

Answer: d  
Explanation: arr.length() is 5, so the loop is executed for three times.  
output:

$ javac Output.java

$ java Output

1 2 3

19. What will be the output of the following Java code snippet?

1. **class** abc
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **if**(args.length>0)
6. System.out.println(args.length);
7. }
8. }

a) The snippet compiles and runs but does not print anything  
b) The snippet compiles, runs and prints 0  
c) The snippet compiles, runs and prints 1  
d) The snippet does not compile  
View Answer

Answer: a  
Explanation: As no argument is passed to the code, the length of args is 0. So the code will not print.

20. What is the extension of compiled java classes?  
a) .txt  
b) .js  
c) .class  
d) .java  
View Answer

Answer: c  
Explanation: The compiled java files have .class extension.

21. Which exception is thrown when java is out of memory?  
a) MemoryError  
b) OutOfMemoryError  
c) MemoryOutOfBoundsException  
d) MemoryFullException  
View Answer

Answer: b  
Explanation: The Xms flag has no default value, and Xmx typically has a default value of 256MB. A common use for these flags is when you encounter a java.lang.OutOfMemoryError.

22. What will be the output of the following Java code?

1. **class** String\_demo
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **char** chars[] = {'a', 'b', 'c'};
6. String s = **new** String(chars);
7. System.out.println(s);
8. }
9. }

a) abc  
b) a  
c) b  
d) c  
View Answer

Answer: a  
Explanation: String(chars) is a constructor of class string, it initializes string s with the values stored in character array chars, therefore s contains “abc”.

23. Which of these are selection statements in Java?  
a) break  
b) continue  
c) for()  
d) if()  
View Answer

Answer: d  
Explanation: Continue and break are jump statements, and for is a looping statement.

24. What will be the output of the following Java program?

1. **class** recursion
2. {
3. **int** func (**int** n)
4. {
5. **int** result;
6. **if** (n == 1)
7. **return** 1;
8. result = func (n - 1);
9. **return** result;
10. }
11. }
12. **class** Output
13. {
14. **public** **static** **void** main(String args[])
15. {
16. recursion obj = **new** recursion() ;
17. System.out.print(obj.func(5));
18. }
19. }

a) 1  
b) 120  
c) 0  
d) None of the mentioned  
View Answer

Answer: a  
Explanation: None.  
Output:

$ javac Output.javac

$ java Output

1

25. What will be the output of the following Java code?

1. **class** output
2. {
3. **public** **static** **void** main(String args[])
4. {
5. String c = "Hello i love java";
6. **boolean** var;
7. var = c.startsWith("hello");
8. System.out.println(var);
9. }
10. }

a) 0  
b) true  
c) 1  
d) false  
View Answer

Answer: d  
Explanation: startsWith() method is case sensitive “hello” and “Hello” are treated differently, hence false is stored in var.  
Output:  
false

26. Which of these keywords is used to define interfaces in Java?  
a) intf  
b) Intf  
c) interface  
d) Interface  
View Answer

Answer: c  
Explanation: interface keyword is used to define interfaces in Java.

27. What will be the output of the following Java program?

1. **class** output
2. {
3. **public** **static** **void** main(String args[])
4. {
5. StringBuffer s1 = **new** StringBuffer("Quiz");
6. StringBuffer s2 = s1.reverse();
7. System.out.println(s2);
8. }
9. }

a) QuizziuQ  
b) ziuQQuiz  
c) Quiz  
d) ziuQ  
View Answer

Answer: d  
Explanation: reverse() method reverses all characters. It returns the reversed object on which it was called.  
Output:

$ javac output.java

$ java output

ziuQ

28. What will be the output of the following Java code?

1. **class** Output
2. {
3. **public** **static** **void** main(String args[])
4. {
5. Integer i = **new** Integer(257);
6. **byte** x = i.byteValue();
7. System.out.print(x);
8. }
9. }

a) 257  
b) 256  
c) 1  
d) 0  
View Answer

Answer: c  
Explanation: i.byteValue() method returns the value of wrapper i as a byte value. i is 257, range of byte is 256 therefore i value exceeds byte range by 1 hence 1 is returned and stored in x.  
Output:

$ javac Output.java

$ java Output

1

29. What will be the output of the following Java program?

1. **class** Output
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **double** x = 2.0;
6. **double** y = 3.0;
7. **double** z = Math.pow( x, y );
8. System.out.print(z);
9. }
10. }

a) 9.0  
b) 8.0  
c) 4.0  
d) 2.0  
View Answer

Answer: b  
Explanation: Math.pow(x, y) methods returns value of y to the power x, i:e x ^ y, 2.0 ^ 3.0 = 8.0.  
Output:

$ javac Output.java

$ java Output

8.0

30. Which of the following is a superclass of every class in Java?  
a) ArrayList  
b) Abstract class  
c) Object class  
d) String  
View Answer

Answer: c  
Explanation: Object class is superclass of every class in Java.

31. What will be the output of the following Java code?

1. **class** Output
2. {
3. **public** **static** **void** main(String args[])
4. {
5. **double** x = 3.14;
6. **int** y = (**int**) Math.ceil(x);
7. System.out.print(y);
8. }
9. }

a) 3  
b) 0  
c) 4  
d) 3.0  
View Answer

Answer: c  
Explanation: ciel(double X) returns the smallest whole number greater than or equal to variable x.  
Output:

$ javac Output.java

$ java Output

4

32. What will be the output of the following Java program?

1. **import** java.net.\*;
2. **class** networking
3. {
4. **public** **static** **void** main(String[] args) **throws** Exception
5. {
6. URL obj = **new** URL("https://www.sanfoundry.com/javamcq");
7. URLConnection obj1 = obj.openConnection();
8. **int** len = obj1.getContentLength();
9. System.out.print(len);
10. }
11. }

Note: Host URL is having length of content 127.  
a) 127  
b) 126  
c) Runtime Error  
d) Compilation Error  
View Answer

Answer: a  
Explanation: None.  
Output:

$ javac networking.java

$ java networking

127

33. Which of the below is not a Java Profiler?  
a) JProfiler  
b) Eclipse Profiler  
c) JVM  
d) JConsole  
View Answer

Answer: c  
Explanation: Memory leak is like holding a strong reference to an object although it would never be needed anymore. Objects that are reachable but not live are considered memory leaks. Various tools help us to identify memory leaks.

34. What will be the output of the following Java program?

1. **import** java.net.\*;
2. **class** networking
3. {
4. **public** **static** **void** main(String[] args) **throws** MalformedURLException
5. {
6. URL obj = **new** URL("https://www.sanfoundry.com/javamcq");
7. System.out.print(obj.toExternalForm());
8. }
9. }

a) www.sanfoundry.com  
b) https://www.sanfoundry.com/javamcq  
c) sanfoundry  
d) sanfoundry.com  
View Answer

Answer: b  
Explanation: toExternalForm() is used to know the full URL of an URL object.  
Output:

$ javac networking.java

$ java networking

https:*//www.sanfoundry.com/javamcq*

35. What will be the output of the following Java code snippet?

1. **import** java.util.\*;
2. **class** Arraylists
3. {
4. **public** **static** **void** main(String args[])
5. {
6. ArrayLists obj = **new** ArrayLists();
7. obj.add("A");
8. obj.add("B");
9. obj.add("C");
10. obj.add(1, "D");
11. System.out.println(obj);
12. }
13. }

a) [A, D, C]  
b) [A, B, C]  
c) [A, B, C, D]  
d) [A, D, B, C]  
View Answer

Answer: d  
Explanation: obj is an object of class ArrayLists hence it is an dynamic array which can increase and decrease its size. obj.add(“X”) adds to the array element X and obj.add(1,”X”) adds element x at index position 1 in the list, Hence obj.add(1,”D”) stores D at index position 1 of obj and shifts the previous value stored at that position by 1.  
Output:

$ javac Arraylist.java

$ java Arraylist

[A, D, B, C].

36. Which of these packages contains the exception Stack Overflow in Java?  
a) java.io  
b) java.system  
c) java.lang  
d) java.util  
View Answer

Answer: c  
Explanation: None.

37. What will be the output of the following Java program?

1. **import** java.util.\*;
2. **class** Collection\_iterators
3. {
4. **public** **static** **void** main(String args[])
5. {
6. LinkedList list = **new** LinkedList();
7. list.add(**new** Integer(2));
8. list.add(**new** Integer(8));
9. list.add(**new** Integer(5));
10. list.add(**new** Integer(1));
11. Iterator i = list.iterator();
12. Collections.reverse(list);
13. Collections.sort(list);
14. **while**(i.hasNext())
15. System.out.print(i.next() + " ");
16. }
17. }

a) 1 2 5 8  
b) 2 1 8 5  
c) 1 5 8 2  
d) 2 8 5 1  
View Answer

Answer: a  
Explanation: Collections.sort(list) sorts the given list, the list was 2->8->5->1 after sorting it became 1->2->5->8.  
Output:  
1 2 5 8

38. Which of these statements is incorrect about Thread?  
a) start() method is used to begin execution of the thread  
b) run() method is used to begin execution of a thread before start() method in special cases  
c) A thread can be formed by implementing Runnable interface only  
d) A thread can be formed by a class that extends Thread class  
View Answer

Answer: b  
Explanation: run() method is used to define the code that constitutes the new thread, it contains the code to be executed. start() method is used to begin execution of the thread that is execution of run(). run() itself is never used for starting execution of the thread.

39. Which of these keywords are used for the block to be examined for exceptions?  
a) check  
b) throw  
c) catch  
d) try  
View Answer

Answer: d  
Explanation: try is used for the block that needs to checked for exception.

40. What will be the output of the following Java code?

1. **class** newthread **extends** Thread
2. {
3. Thread t;
4. newthread()
5. {
6. t1 = **new** Thread(**this**,"Thread\_1");
7. t2 = **new** Thread(**this**,"Thread\_2");
8. t1.start();
9. t2.start();
10. }
11. **public** **void** run()
12. {
13. t2.setPriority(Thread.MAX\_PRIORITY);
14. System.out.print(t1.equals(t2));
15. }
16. }
17. **class** multithreaded\_programing
18. {
19. **public** **static** **void** main(String args[])
20. {
21. **new** newthread();
22. }
23. }

a) truetrue  
b) falsefalse  
c) true  
d) false  
View Answer

Answer: b  
Explanation: This program was previously done by using Runnable interface, here we have used Thread class. This shows both the method are equivalent, we can use any of them to create a thread.  
Output:

$ javac multithreaded\_programing.java

$ java multithreaded\_programing

falsefalse

41. Which one of the following is not an access modifier?  
a) Protected  
b) Void  
c) Public  
d) Private  
View Answer

Answer: b  
Explanation: Public, private, protected and default are the access modifiers.

42. What will be the output of the following Java program?

1. **final** **class** A
2. {
3. **int** i;
4. }
5. **class** B **extends** A
6. {
7. **int** j;
8. System.out.println(j + " " + i);
9. }
10. **class** inheritance
11. {
12. **public** **static** **void** main(String args[])
13. {
14. B obj = **new** B();
15. obj.display();
16. }
17. }

a) 2 2  
b) 3 3  
c) Runtime Error  
d) Compilation Error  
View Answer

Answer: d  
Explanation: class A has been declared final hence it cannot be inherited by any other class. Hence class B does not have member i, giving compilation error.  
output:

$ javac inheritance.java

Exception in thread "main" java.lang.Error: Unresolved compilation problem:

i cannot be resolved or is not a field

43. What is the numerical range of a char data type in Java?  
a) 0 to 256  
b) -128 to 127  
c) 0 to 65535  
d) 0 to 32767  
View Answer

Answer: c  
Explanation: Char occupies 16-bit in memory, so it supports 216 i:e from 0 to 65535.

44. Which class provides system independent server side implementation?  
a) Server  
b) ServerReader  
c) Socket  
d) ServerSocket  
View Answer

Answer: d  
Explanation: ServerSocket is a java.net class which provides system independent implementation of server side socket connection.

45. What will be the output of the following Java program?

1. **class** overload
2. {
3. **int** x;
4. **double** y;
5. **void** add(**int** a , **int** b)
6. {
7. x = a + b;
8. }
9. **void** add(**double** c , **double** d)
10. {
11. y = c + d;
12. }
13. overload()
14. {
15. **this**.x = 0;
16. **this**.y = 0;
17. }
18. }
19. **class** Overload\_methods
20. {
21. **public** **static** **void** main(String args[])
22. {
23. overload obj = **new** overload();
24. **int** a = 2;
25. **double** b = 3.2;
26. obj.add(a, a);
27. obj.add(b, b);
28. System.out.println(obj.x + " " + obj.y);
29. }
30. }

a) 4 6.4  
b) 6.4 6  
c) 6.4 6.4  
d) 6 6  
View Answer

Answer: a  
Explanation: For obj.add(a,a); ,the function in line number 4 gets executed and value of x is 4. For the next function call, the function in line number 7 gets executed and value of y is 6.4  
output:

$ javac Overload\_methods.java

$ java Overload\_methods

4 6.4

46. Which of the following is true about servlets?  
a) Servlets can use the full functionality of the Java class libraries  
b) Servlets execute within the address space of web server, platform independent and uses the functionality of java class libraries  
c) Servlets execute within the address space of web server  
d) Servlets are platform-independent because they are written in java  
View Answer

Answer: b  
Explanation: Servlets execute within the address space of a web server. Since it is written in java it is platform independent. The full functionality is available through libraries.

**Chapterwise Multiple Choice Questions on Java Programming**

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8. [Java Serialization & Networking](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-serialization-networking)
9. [java.util – Collections Framework](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-util-collections-framework)
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14. [Event Handling in Java](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-event-handling)
15. [java.util – More Utility Classes](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-util-more-utility-classes)
16. [Java Interfaces & Packages](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-interfaces-packages)
17. [Java Autoboxing](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-autoboxing)
18. [Generics in Java](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-generics)
19. [Java Beans & JDBC](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-beans-jdbc)
20. [Java Server Technologies & Servlet](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#java-server-technologies-servlet)
21. [Session Management, JSP & API](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#session-management-jsp-api)
22. [Application Lifecycle & Annotations](https://www.sanfoundry.com/java-questions-answers-freshers-experienced/#application-lifecycle-annotations)

**1. Java MCQ on Data Types, Variables and Arrays**

The section contains Java multiple choice questions and answers on integer, character, floating and boolean data types, variables, type casting and conversions and properties of arrays.

|  |  |
| --- | --- |
|  [Java Integer and Floating Data Types](https://www.sanfoundry.com/java-mcqs-integer-floating-data-types/)   [Java Character and Boolean Data Types](https://www.sanfoundry.com/java-mcqs-character-boolean-data-types/)   [Java Enums](https://www.sanfoundry.com/java-questions-answers-data-type-enums/)   [Java BigDecimal](https://www.sanfoundry.com/tough-java-questions-answers/) |  [Java Data Type – Date & TimeZone](https://www.sanfoundry.com/java-questions-answers-data-type-date-timezone/)   [Java Literals & Java Variables](https://www.sanfoundry.com/java-mcqs-literals-variables/)   [Java Type Conversions, Promotions and Castings](https://www.sanfoundry.com/java-mcqs-casting-conversion-promotions/)   [Java Arrays](https://www.sanfoundry.com/java-mcqs-arrays-2/) |

**2. Java MCQ on Operators and Control Statements**

The section contains Java questions and answers on arithmetic, bitwise, relational, boolean and assignment operators. The section also contains questions on control statements.

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| --- | --- |
|  [Java Arithmetic Operators](https://www.sanfoundry.com/java-mcqs-arithmetic-operators/)   [Java Bitwise Operators](https://www.sanfoundry.com/java-mcqs-bitwise-operator/)   [Java Relational Operator and Boolean Logic Operators](https://www.sanfoundry.com/java-mcqs-relational-boolean-logic-operator/) |  [Java Assignment Operators and Operator Precedence](https://www.sanfoundry.com/java-mcqs-assignment-precedence/)   [Java Control Statements – 1](https://www.sanfoundry.com/java-mcqs-control-statements/)   [Java Control Statements – 2](https://www.sanfoundry.com/java-questions-answers-control-statements/) |

**3. Multiple Choice Questions on Java Environment & OOPS Concepts**

The section contains Java MCQs on oops concepts, jdk, jre, jit and jvm.

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| --- | --- |
|  [OOPs Concepts in Java](https://www.sanfoundry.com/java-questions-answers-concepts-oops/) |  [JDK, JRE, JIT & JVM](https://www.sanfoundry.com/java-questions-answers-jdk-jre-jit-jvm/) |

**4. Java MCQ on Classes and Methods**

The section contains Java multiple choice questions and answers on fundamentals of classes, methods basics, heap and garbage collection, object creation, constructors, access control, string class, method overloading and static keyword, command line arguments and recursion.

|  |  |
| --- | --- |
|  [Class Fundamentals & Declaring objects in Java](https://www.sanfoundry.com/java-mcqs-class-fundamental-declaring-objects/)   [Java Method](https://www.sanfoundry.com/java-mcqs-introduction-methods/)   [Constructor & Garbage Collection in Java](https://www.sanfoundry.com/java-mcqs-constructors-garbage-collection/)   [Java Constructors](https://www.sanfoundry.com/java-questions-answers-constructor/)   [Java Heap and Garbage Collection](https://www.sanfoundry.com/java-questions-answers-heap-garbage-collection/)   [Overloading Methods & Argument Passing in Java](https://www.sanfoundry.com/java-mcqs-overloading-methods-argument-passing/)   [Java Access Control – 1](https://www.sanfoundry.com/java-mcqs-access-control/) |  [Java Access Control – 2](https://www.sanfoundry.com/java-interview-questions-answers/)   [Java Arrays Revisited & Keyword static](https://www.sanfoundry.com/java-questions-bank/)   [Java String Class](https://www.sanfoundry.com/java-mcqs-string-class/)   [Java Methods Taking Parameters](https://www.sanfoundry.com/java-questions-answers-entrance-exams/)   [Java Command Line Arguments – 1](https://www.sanfoundry.com/java-mcqs-command-line-arguments/)   [Java Command Line Arguments – 2](https://www.sanfoundry.com/java-questions-answers-freshers/)   [Java Recursion](https://www.sanfoundry.com/java-mcqs-recursion/) |

**5. Java MCQ on Inheritance**

The section contains Java questions and answers on the concepts of objects, method overriding, inheritance, abstract class and super.

|  |  |
| --- | --- |
|  [Method Overriding in Java](https://www.sanfoundry.com/java-mcqs-method-overriding/)   [Object Class in Java](https://www.sanfoundry.com/java-mcqs-object-class/)   [Java Abstract Class and Super](https://www.sanfoundry.com/java-mcqs-inheritance-abstract-and-super/) |  [Java Inheritance – 1](https://www.sanfoundry.com/java-mcqs-inheritance/)   [Java Inheritance – 2](https://www.sanfoundry.com/java-interview-questions-answers-freshers/) |

**6. Multiple Choice Questions on String Handling in Java**

The section contains Java MCQs on the character extraction, string handling functions like stringbuffer class and methods, stringjoiner class and other string comparison functions.

|  |  |
| --- | --- |
|  [Java String Handling Basics](https://www.sanfoundry.com/java-mcqs-string-handling-basics/)   [Java Character Extraction](https://www.sanfoundry.com/java-mcqs-character-extraction/)   [String Comparison in java](https://www.sanfoundry.com/java-mcqs-string-comparision/) |  [Searching & Modifying a String in java](https://www.sanfoundry.com/java-mcqs-seraching-modifying-string/)   [StringBuffer Class in java](https://www.sanfoundry.com/java-mcqs-stringbuffer-class/)   [StringBuffer Methods in java](https://www.sanfoundry.com/java-mcqs-stringbuffer-methods/) |

**7. MCQ on Exploring java.lang & java.io**

The section contains Java multiple choice questions and answers on various concepts of java.lang like data types, types of classes, character and byte streams, builtin exceptions, rounding functions, system class, byte, short, double and float wrappers, character and boolean wrappers and environment properties.

|  |  |
| --- | --- |
|  [Java.lang Basics](https://www.sanfoundry.com/java-mcqs-java-lang-introduction/)   [Java.lang – Integer, Long And Character Wrappers](https://www.sanfoundry.com/java-mcqs-java-lang-integer-long-charcter-wrappers/)   [Java.lang – Void, Process and System Class](https://www.sanfoundry.com/java-mcqs-java-lang-void-process-system-class/)   [Java.lang – Object & Math Class](https://www.sanfoundry.com/java-mcqs-java-lang-object-math-class/)   [Java.lang – System Class Advance](https://www.sanfoundry.com/java-mcqs-system-class-advance/)   [Java.lang – Double & Float Wrappers](https://www.sanfoundry.com/java-mcqs-double-float-wrappers/)   [Java.io Introduction](https://www.sanfoundry.com/java-mcqs-java-io-introduction/)   [Java.io Byte Streams](https://www.sanfoundry.com/java-mcqs-java-io-byte-streams/)   [Java.io Character Streams](https://www.sanfoundry.com/java-mcqs-java-io-character-streams/)   [Java Memory Management](https://www.sanfoundry.com/java-questions-answers-memory-management/) |  [Java Built in Exceptions](https://www.sanfoundry.com/java-mcqs-builtin-exceptions/)   [Java.lang – Rounding Functions](https://www.sanfoundry.com/java-mcqs-rounding-functions/)   [Java.lang – Byte & Short Wrappers](https://www.sanfoundry.com/java-mcqs-byte-and-short-wrappers/)   [Java.lang – Character Wrapper Advance](https://www.sanfoundry.com/java-mcqs-character-wrappers-advance/)   [Java.lang – Boolean Wrapper Advance](https://www.sanfoundry.com/java-mcqs-boolean-wrappers-advance/)   [Java.lang – Miscellaneous Math Methods & StrictMath Class](https://www.sanfoundry.com/java-mcqs-math-method-and-strict-math-class/)   [Java.lang – Runtime & ClassLoader Classes](https://www.sanfoundry.com/java-mcqs-runtime-and-classloader-classes/)   [java.lang – Class](https://www.sanfoundry.com/java-mcqs-java-lang-class/)   [Java.lang – ThreadGroup Class & Runnable Interface](https://www.sanfoundry.com/java-questions-answers-online-test/)   [Java Environment Properties](https://www.sanfoundry.com/java-questions-answers-environment-properties/) |

**8. Java Programming MCQ on Serialization & Networking**

The section contains Java questions and answers on networking basics, server, sockets, serialization, deserialization, url class, networking datagrams, htttpresponse and urlconnection class.

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| --- | --- |
|  [Java Serialization – 1](https://www.sanfoundry.com/java-mcqs-serialization/)   [Java Serialization – 2](https://www.sanfoundry.com/java-questions-answers-serialization/)   [Java Serialization & Deserialization](https://www.sanfoundry.com/java-mcqs-serialization-deserialization/)   [Java Networking Basics](https://www.sanfoundry.com/java-mcqs-networking-basics/) |  [Java Networking – Server & Sockets](https://www.sanfoundry.com/java-basic-questions-answers/)   [Java URL Class](https://www.sanfoundry.com/java-mcqs-url-class/)   [HttpResponse & URLConnection Class](https://www.sanfoundry.com/java-mcqs-http-response-urlconnection-class/)   [Datagram in Java](https://www.sanfoundry.com/java-mcqs-networking-datagrams/) |

**9. MCQ on java.util – Collections Framework**

The section contains Java MCQs on aspects of java.util like maps, array list, hash set, tree set, linked list, stacks, vectors, dictionary and hash table, rmi, iterators, collection framework overview, collection interface and algorithms.

|  |  |
| --- | --- |
|  [Java.util – ArrayList Class](https://www.sanfoundry.com/java-mcqs-java-util-arraylist-class/)   [Java HashMap](https://www.sanfoundry.com/java-questions-answers-data-structures-hashmap/)   [Java List](https://www.sanfoundry.com/java-questions-answers-data-structures-list/)   [Java Set](https://www.sanfoundry.com/java-questions-answers-data-structures-set/)   [Java.util – LinkedList, HashSet & TreeSet Class](https://www.sanfoundry.com/java-questions-answers-online-quiz/)   [Java.util – Maps](https://www.sanfoundry.com/java-mcqs-java-util-maps/)   [Java.util – Vectors & Stack](https://www.sanfoundry.com/java-mcqs-java-util-vectors-stacks/)   [Java.util – Dictionary, Hashtable & Properties](https://www.sanfoundry.com/java-problems/) |  [Java.util – BitSet & Date class](https://www.sanfoundry.com/java-mcqs-java-util-bitset-date-class/)   [Java Remote Method Invocation (RMI)](https://www.sanfoundry.com/java-mcqs-remote-method-invocation/)   [Java Collection Framework Overview](https://www.sanfoundry.com/java-mcqs-collection-framework-overview/)   [Java Iterators](https://www.sanfoundry.com/java-mcqs-iterators/)   [Java Queue](https://www.sanfoundry.com/java-multiple-choice-questions-answers/)   [Java.util – Array Class](https://www.sanfoundry.com/java-mcqs-java-util-array-class/)   [Java Collections Interface](https://www.sanfoundry.com/java-mcqs-collection-interface/)   [Java Collection Algorithms](https://www.sanfoundry.com/java-mcqs-collection-algorithms/) |

**10. Java MCQ on Exception Handling**

The section contains Java multiple choice questions with answers on basics of exception handling, exception types like throw, throws and nested try.

|  |  |
| --- | --- |
|  [Java Exceptional Handling Basics](https://www.sanfoundry.com/java-mcqs-exceptional-handling-basics/)   [Java Exceptional Handling](https://www.sanfoundry.com/java-questions-answers-experienced/)   [Java Exceptions Types](https://www.sanfoundry.com/java-mcqs-exception-types/)   [Throw, Throws & Nested Try](https://www.sanfoundry.com/java-mcqs-throw-throws-nested-try/) |  [Finally & Built in Exceptions](https://www.sanfoundry.com/java-mcqs-finally-built-in-exceptions/)   [Try & Catch](https://www.sanfoundry.com/java-mcqs-try-and-catch/)   [Creating Exceptions](https://www.sanfoundry.com/java-mcqs-creating-exceptions/) |

**11. Java MCQ on Multithreading**

The section contains Java questions with answers on basics of multithreading, thread basics, thread creation, isAlive(), join() and thread synchronization basics.

|  |  |
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|  [isAlive(), Join() & Thread Synchronization in Java](https://www.sanfoundry.com/java-assessment-questions-answers/)   [Implementing Runnable Interface for Threads](https://www.sanfoundry.com/java-questions-answers-mcqs/)   [Java Thread Class](https://www.sanfoundry.com/java-mcqs-thread-class/) |  [Java Multithreading Basics](https://www.sanfoundry.com/java-mcqs-multithreading-basics/)   [Java Multithreading](https://www.sanfoundry.com/java-questions-answers-quiz/)   [Java Threads](https://www.sanfoundry.com/java-mcqs-creating-threads/) |

**12. Java MCQ on I/O & Applets**

The section contains Java MCQs on applets fundamentals, static import, basics of I/O, file reading and writing and reading console i/p and writing console o/p.

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|  [Java Input & Output Basics](https://www.sanfoundry.com/java-mcqs-input-output-basics/)   [Reading Console Input in Java](https://www.sanfoundry.com/java-mcqs-reading-console-input/)   [Writing Console Output in Java](https://www.sanfoundry.com/java-mcqs-writing-console-output/) |  [Reading & Writing Files in Java](https://www.sanfoundry.com/java-mcqs-reading-writing-files/)   [Java Applets Fundamentals](https://www.sanfoundry.com/java-mcqs-applets-fundamentals/) |

**13. Java Programming MCQ on Regular Expressions**

The section contains Java multiple choice questions and answers on regular expressions and text formatting.

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|  [Java Text Formatting](https://www.sanfoundry.com/java-mcqs-text-formatting/) |  [Java Regular Expression](https://www.sanfoundry.com/java-questions-answers-regular-expression/) |

**14. MCQ on Event Handling in Java**

The section conatins Java questions and answers on basics of event handling, different types of event handling classes like actionevent, componentevent, containerevent, textevent, mouseevent, windowevent and other event listener interfaces.

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|  [Java Event Handling Basics](https://www.sanfoundry.com/java-mcqs-event-handling-basics/)   [ActionEvent & AdjustmentEvent Class](https://www.sanfoundry.com/java-mcqs-actionevent-adjustmentevent-class/)   [ComponentEvent, ContainerEvent & FocusEvent Class in Java](https://www.sanfoundry.com/java-mcqs-componentevent-containerevent-focusevent-class/) |  [MouseEvent, TextEvent & WindowEvent Class in Java](https://www.sanfoundry.com/java-questions-answers-aptitude-test/)   [Event Listeners Interfaces in Java](https://www.sanfoundry.com/java-mcqs-event-listeners-interfaces/) |

**15. Interview Questions on java.util – More Utility Classes**

The section contains Java MCQs on locale, random number and classes, timer class, formatter, internationalization, i18n with date, number, currency and time.

|  |  |
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|  [Java Random Number](https://www.sanfoundry.com/java-questions-answers-random-number/)   [Java Locale & Random Classes](https://www.sanfoundry.com/java-mcqs-random-and-local-classes/) |  [Java Observable & Timer Class](https://www.sanfoundry.com/java-mcqs-timer-and-observable-classes/) |

**16. MCQ Questions on Java Interfaces & Packages**

The section contains Java questions and answers on packages, core java api packages, interfaces and its types.

|  |  |
| --- | --- |
|  [Java Packages](https://www.sanfoundry.com/java-mcqs-packages/)   [Java Interfaces – 1](https://www.sanfoundry.com/java-mcqs-interfaces/)   [Java Interfaces – 2](https://www.sanfoundry.com/java-interview-questions-answers-experienced/) |  [Core Java API Packages](https://www.sanfoundry.com/java-mcqs-core-java-api-packages/)   [Java Type Interface](https://www.sanfoundry.com/java-mcqs-type-interface/) |

**17. Java Programming MCQ on Autoboxing**

The section contains Java MCQs on junits, java 8 features, hibernate, file and directory, liskovs principle, aggregration, inference, autoboxing and unboxing.

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|  [JUnits](https://www.sanfoundry.com/java-questions-answers-junits/)   [Java 8 Features](https://www.sanfoundry.com/java-questions-answers-java8-features/)   [File and Directory in Java](https://www.sanfoundry.com/java-questions-answers-file-directory/) |  [Hibernate](https://www.sanfoundry.com/java-questions-answers-hibernate/)   [Liskovs Principle](https://www.sanfoundry.com/java-questions-answers-campus-interviews/)   [Java Coding Best Practices](https://www.sanfoundry.com/java-questions-answers-test/) |

**18. Java Programming MCQ on Generics**

The section contains Java multiple choice questions and answers on generics and its methods, wildcards, restrictions and reflecting generics.

|  |  |
| --- | --- |
|  [Java Generics](https://www.sanfoundry.com/java-mcqs-generics/)   [Java Generic Methods](https://www.sanfoundry.com/java-mcqs-generics-methods/) |  [Java Restrictions on Generics](https://www.sanfoundry.com/java-mcqs-rsetrictions-on-generics/)   [Java Wildcards](https://www.sanfoundry.com/java-mcqs-wildcards/) |

**19. MCQ on Java Beans & JDBC**

The section contains Java questions and answers on java beans, jdbc and design patterns.

|  |  |
| --- | --- |
|  [Java Beans](https://www.sanfoundry.com/advanced-java-questions-answers-java-beans/)   [JDBC](https://www.sanfoundry.com/advanced-java-questions-answers-jdbc/) |  [Java Design Patterns](https://www.sanfoundry.com/advanced-java-questions-answers-design-patterns/) |

**20. MCQ on Java Server Technologies & Servlet**

The section contains Java Programming MCQs on eclipse debugging, web application, servlet, client and server.

|  |  |
| --- | --- |
|  [Debugging in Eclipse](https://www.sanfoundry.com/advanced-java-questions-answers-debugging-eclipse/)   [Web Application](https://www.sanfoundry.com/advanced-java-questions-answers-web-application/) |  [Client and Server in Java](https://www.sanfoundry.com/advanced-java-questions-answers-client-server/)   [Java Servlet](https://www.sanfoundry.com/advanced-java-questions-answers-servlet/) |

**21. Java Programming MCQ on Session Management, JSP & API**

The section contains Java Programming multiple choice questions and answers on session management, jsp and its elements, reflection api, autocloseable, closable and flushable interfaces.

|  |  |
| --- | --- |
|  [Java Session Management](https://www.sanfoundry.com/advanced-java-questions-answers-session-management/)   [JSP](https://www.sanfoundry.com/advanced-java-questions-answers-jsp/)   [JSP Elements](https://www.sanfoundry.com/advanced-java-questions-answers-jsp-elements/) |  [Java Reflection API](https://www.sanfoundry.com/advanced-java-questions-answers-reflection-api/)   [AutoCloseable, Closeable & Flushable Interfaces in Java](https://www.sanfoundry.com/advanced-java-questions-answers-autocloseable-closeable-flushable-interfaces/) |

**22. Java MCQ on Application Lifecycle & Annotations**

The section contains Java questions and answers on annotations, application lifecycle like ant, maven and jenkins.

|  |  |
| --- | --- |
|  [Application Lifecycle – Ant, Maven and Jenkins](https://www.sanfoundry.com/advanced-java-questions-answers-application-lifecycle-ant-maven-jenkins/) |  [Java Annotations](https://www.sanfoundry.com/advanced-java-questions-answers-annotations/) |

If you would like to learn "Java" thoroughly, you should attempt to work on the complete set of 1000+ MCQs - multiple choice questions and answers mentioned above. It will immensely help anyone trying to crack an exam or an interview.  
  
**Wish you the best in your endeavor to learn and master Java!**

**Best Books on Java:**

* [Java Books](https://www.sanfoundry.com/best-reference-books-programming-language-java/)
* [Core Java Books](https://www.sanfoundry.com/best-reference-books-programming-language-java/)
* [Java and J2EE Books](https://www.sanfoundry.com/best-reference-books-programming-language-java/)
* [Java OOP Books](https://www.sanfoundry.com/best-reference-books-programming-language-java/)
* [Java Programming Language Books](https://www.sanfoundry.com/best-reference-books-programming-language-java/)
* [Advance Java Programming Books](https://www.sanfoundry.com/best-reference-books-programming-language-java/)
* [Enterprise Java Books](https://www.sanfoundry.com/best-reference-books-programming-language-java/)

**Java Online Test:**

* [Java Programming Tests](https://test.sanfoundry.com/java-programming-tests/)
* [Java Certification Test](https://test.sanfoundry.com/java-programming-certification-test/)
* [Java Internship Test](https://test.sanfoundry.com/java-programming-internship-test/)
* [Java Top Rankers](https://test.sanfoundry.com/top-rankers-java-programming/)
* [Java Practice Test – Set 1](https://test.sanfoundry.com/java-programming-practice-test-1/)
* [Java Practice Test – Set 2](https://test.sanfoundry.com/java-programming-practice-test-2/)
* [Java Practice Test – Set 3](https://test.sanfoundry.com/java-programming-practice-test-3/)
* [Java Practice Test – Set 4](https://test.sanfoundry.com/java-programming-practice-test-4/)
* [Java Practice Test – Set 5](https://test.sanfoundry.com/java-programming-practice-test-5/)
* [Java Practice Test – Set 6](https://test.sanfoundry.com/java-programming-practice-test-6/)
* [Java Practice Test – Set 7](https://test.sanfoundry.com/java-programming-practice-test-7/)
* [Java Practice Test – Set 8](https://test.sanfoundry.com/java-programming-practice-test-8/)
* [Java Practice Test – Set 9](https://test.sanfoundry.com/java-programming-practice-test-9/)
* [Java Practice Test – Set 10](https://test.sanfoundry.com/java-programming-practice-test-10/)
* [Java Mock Test – Set 1](https://test.sanfoundry.com/java-programming-mock-test-1/)
* [Java Mock Test – Set 2](https://test.sanfoundry.com/java-programming-mock-test-2/)
* [Java Mock Test – Set 3](https://test.sanfoundry.com/java-programming-mock-test-3/)
* [Java Mock Test – Set 4](https://test.sanfoundry.com/java-programming-mock-test-4/)
* [Java Mock Test – Set 5](https://test.sanfoundry.com/java-programming-mock-test-5/)
* [Java Mock Test – Set 6](https://test.sanfoundry.com/java-programming-mock-test-6/)
* [Java Mock Test – Set 7](https://test.sanfoundry.com/java-programming-mock-test-7/)
* [Java Mock Test – Set 8](https://test.sanfoundry.com/java-programming-mock-test-8/)
* [Java Mock Test – Set 9](https://test.sanfoundry.com/java-programming-mock-test-9/)
* [Java Mock Test – Set 10](https://test.sanfoundry.com/java-programming-mock-test-10/)

**Important Links:**

* [C Multiple Choice Questions](https://www.sanfoundry.com/c-interview-questions-answers/)
* [C++ Multiple Choice Questions](https://www.sanfoundry.com/cplusplus-interview-questions-answers/)
* [C# Multiple Choice Questions](https://www.sanfoundry.com/1000-csharp-questions-answers/)
* [Data Structures Multiple Choice Questions](https://www.sanfoundry.com/1000-data-structure-questions-answers/)
* [Junit Multiple Choice Questions](https://www.sanfoundry.com/1000-junit-questions-answers/)
* [Spring Multiple Choice Questions](https://www.sanfoundry.com/1000-spring-questions-answers/)
* [Python Multiple Choice Questions](https://www.sanfoundry.com/1000-python-questions-answers/)
* [Computer Science Multiple Choice Questions](https://www.sanfoundry.com/computer-science-questions-answers/)
* [Programming Multiple Choice Questions](https://www.sanfoundry.com/programming-questions-answers/)