

Java Type Casting - MCQ Practice Test

1. What does JDK stand for?
 - A. Java Developer Kit
 - B. Java Deployment Kit
 - C. Java Debugging Kit
 - D. Java Design Kit
2. What is the role of JRE?
 - A. Compiles Java programs
 - B. Provides tools to develop Java apps
 - C. Runs Java programs
 - D. None of the above
3. Which component contains the Java Compiler?
 - A. JVM
 - B. JRE
 - C. JDK
 - D. JAR
4. Which of the following is true about JVM?
 - A. JVM is platform-independent
 - B. JVM is platform-dependent
 - C. JVM compiles Java code
 - D. JVM is used only in Android
5. What is the correct order of Java execution?
 - A. Source Code -> Bytecode -> Machine Code
 - B. Bytecode -> Source Code -> Machine Code
 - C. Machine Code -> Bytecode -> Source Code
 - D. Source Code -> Machine Code -> Bytecode
6. What is a compile-time error?
 - A. Error after program runs
 - B. Error found by JVM
 - C. Error found by compiler

Java Type Casting - MCQ Practice Test

D. None of the above

7. What is a runtime error?

A. Occurs while writing code

B. Occurs during program execution

C. Detected at compile time

D. None of the above

8. What will this code output?

```
public class Test {  
    public static void main(String[] args) {  
        System.out.println(args[0]);  
    }  
}
```

A. Compilation error

B. Runtime error if no arguments

C. Prints args[0] if given

D. Both B and C

9. Which command compiles a Java file?

A. javac File.java

B. java File.java

C. compile File.java

D. run File.java

10. What is the extension of bytecode files in Java?

A. .java

B. .exe

C. .txt

D. .class

11. What happens if you execute `java` without compiling?

A. It runs fine

B. Gives ClassNotFoundException

Java Type Casting - MCQ Practice Test

- C. Compilation happens automatically
- D. None of the above

12. What is the role of the `main` method?

- A. Entry point of program
- B. Used to declare variables
- C. Compile the program
- D. None of the above

13. Which is a valid Java command line usage?

- A. `java MyClass arg1 arg2`
- B. `java -run MyClass`
- C. `javac -r MyClass`
- D. `run MyClass`

14. What is the output of: `java Hello World` assuming `Hello.java` contains `System.out.println(args[1]);` and you run with 1 argument?

- A. Hello
- B. World
- C. `ArrayIndexOutOfBoundsException`
- D. Compilation error

15. Which tool converts `.java` files to `.class`?

- A. `java`
- B. `javac`
- C. `jar`
- D. `javadoc`