

■ Java MCQs – Set 2 Answer Key ■

Q1) Who invented Java Programming?

- a) Guido van Rossum
- b) James Gosling
- c) Dennis Ritchie
- d) Bjarne Stroustrup

■ Answer: b) James Gosling

Q2) 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

■ Answer: d) Java is a platform-independent programming language

Q3) Which component is used to compile, debug and execute the java programs?

- a) JDK
- b) JIT
- c) JRE
- d) JVM

■ Answer: a) JDK

Q4) What is the extension of java code files?

- a) .js
- b) .txt
- c) .class
- d) .java

■ Answer: d) .java

Q5) What is the extension of compiled java classes?

- a) .txt
- b) .js
- c) .class
- d) .java

■ Answer: c) .class

Q6) What is the size of an int in Java?

- a) 16 bits
- b) 32 bits
- c) 64 bits
- d) Platform dependent

■ Answer: b) 32 bits

Q7) JDK stands for ____.

- a) Java development kit
- b) Java deployment kit
- c) JavaScript deployment kit
- d) None of these

■ Answer: a) Java development kit

Q8) JRE stands for ____.

- a) Java run ecosystem
- b) JDK runtime Environment
- c) Java Runtime Environment
- d) None of these

■ Answer: c) Java Runtime Environment

Q9) Which of these is not a valid Java datatype?

- a) float
- b) boolean
- c) character
- d) byte

■ Answer: c) character (should be 'char')

Q10) Every statement in Java language should end with a?

- a) Dot or Period
- b) Comma
- c) Semicolon
- d) Colon

■ Answer: c) Semicolon

Q11) What was the original name of Java before it was renamed?

- a) Oak
- b) Silk
- c) Dynamic
- d) Spruce

■ Answer: a) Oak

Q12) Java was developed at which company?

- a) Microsoft
- b) IBM
- c) Sun Microsystems
- d) Google

■ Answer: c) Sun Microsystems

Q13) Choose a Single Line Comment in Java Language below?

- a) //Some comments
- b) Some comments//
- c) /*Some comments*/
- d) */Some comments/*

■ Answer: a) //Some comments

Q14) Name of a Class, Variable, Method or an Interface in Java language is called?

- a) Argument
- b) Value
- c) Identifier
- d) None of the above

■ Answer: c) Identifier

Q15) Why was Java renamed from Oak?

- a) Oak was already a trademarked name.
- b) The team liked the name Java better.
- c) It was named after the island of Java.
- d) Oak was not suitable for marketing.

■ Answer: a) Oak was already a trademarked name.

Q16) Which of the following declarations does not compile?

- a) double num1, int num2 = 0;
- b) int num1, num2;
- c) int num1, num2 = 0;
- d) int num1 = 0, num2 = 0;

■ Answer: a) double num1, int num2 = 0;

Q17) A compiler converts the Java program into ____

- a) bytecode
- b) byte
- c) byteclass
- d) bytejava

■ Answer: a) bytecode

Q18) Which organization currently maintains the Java programming language?

- a) Google
- b) Oracle Corporation
- c) Microsoft
- d) Apple

■ Answer: b) Oracle Corporation

Q19) What is byte code in Java?

- a) The type of code generated by a Java compiler.
- b) The type of code generated by a JVM.
- c) Another name for a Java source file.
- d) Code written within instance methods.

■ Answer: a) The type of code generated by a Java compiler.

Q20) Identify the incorrect variable name(s).

- a) _theButton
- b) \$reallyBigNumber
- c) 2ndName
- d) CurrentWeatherStateofplanet
- e) my2ndFont.

■ Answer: c) 2ndName and e) my2ndFont.

Q21) Which of the following is not a primitive data type in Java?

- a) int
- b) float
- c) boolean
- d) String

■ Answer: d) String

Q22) Which converts bytecode into machine-specific code?

- a) JRE

- b) JIT compiler
- c) Java compiler
- d) JVM

■ Answer: b) JIT compiler

Q23) Java programs are _____ independent.

- a) platform
- b) procedural
- c) high level
- d) Secure

■ Answer: a) platform

Q24) Which component is included in both JDK and JRE?

- a) JVM
- b) Compiler
- c) Debugger
- d) IDE

■ Answer: a) JVM

Q25) What does JIT stand for in Java?

- a) Java Interpreting Tool
- b) Just-In-Time Compiler
- c) Java Information Technology
- d) Java Integration Toolkit

■ Answer: b) Just-In-Time Compiler

Q26) Correct relationship among JDK, JRE, and JVM?

- a) JRE includes JVM, and JDK includes JRE.
- b) JVM includes JRE, and JRE includes JDK.
- c) JDK includes JVM, and JVM includes JRE.
- d) JRE includes JDK, and JDK includes JVM

■ Answer: a) JRE includes JVM, and JDK includes JRE.

Q27) A valid Identifier can start with?

- a) a-z, A-Z
- b) \$, _
- c) 0-9
- d) A and B

■ Answer: d) A and B

Q28) JVM is a part of?

- a) JDK only
- b) JRE only
- c) Both JDK and JRE
- d) Neither

■ Answer: c) Both JDK and JRE

Q29) Multiline comment is created using?

- a) //
- b) /* */
- c)

d) All of these

■ Answer: b) /* */

Q30) What makes Java platform independent?

- a) Advanced language
- b) It uses JVM for execution
- c) Class compilation
- d) All of these

■ Answer: b) It uses JVM for execution

Q31) Number of primitive data types in Java?

- a) 5
- b) 6
- c) 7
- d) 8

■ Answer: d) 8

Q32) Size of float and double in Java?

- a) 32 and 64
- b) 32 and 32
- c) 64 and 64
- d) 64 and 32

■ Answer: a) 32 and 64

Q33) Which statement about JVM is true?

- a) JVM is platform-independent.
- b) JVM is platform-dependent.
- c) JVM compiles Java source code into bytecode.
- d) JVM is responsible for garbage collection in Java

■ Answer: b) JVM is platform-dependent.

Q34) Which of the following tasks does JIT perform?

- a) Converts Java source code to bytecode.
- b) Converts bytecode to native machine code.
- c) Manages memory allocation for objects.
- d) Executes bytecode line by line.

■ Answer: b) Converts bytecode to native machine code.

Q35) What does JDK provide that JRE does not?

- a) JVM
- b) Libraries
- c) Development tools like compiler/debugger
- d) Native machine code

■ Answer: c) Development tools like compiler/debugger

Q36) What is a Compiler?

- a) Scans entire program
- b) Converts source code to bytecode
- c) Slow in debugging
- d) All the above

■ Answer: d) All the above

Q37) Correct statement about Java source files?

- a) Human readable
- b) Contain Classes with Methods/Variables
- c) Import statements bring libraries
- d) All the above

■ Answer: d) All the above

Q38) Byte code is the result of?

- a) Compiling a Java file
- b) Compiling a Class file
- c) Interpreting a Java File
- d) Interpreting a Class file

■ Answer: a) Compiling a Java file

Q39) What does platform-independent mean in Java?

- a) Only runs on Windows
- b) Compiled to native code for each platform
- c) Runs on any platform with JVM
- d) Must be rewritten

■ Answer: c) Runs on any platform with JVM

Q40) When was Java 1.0 released?

- a) 1991
- b) 1994
- c) 1996
- d) 1999

■ Answer: c) 1996

Q41) Platform independence is achieved by compiling source into?

- a) Machine code
- b) Assembly code
- c) Bytecode
- d) Native code

■ Answer: c) Bytecode

Q42) What is JIT in Java?

- a) Java In Timer
- b) Java In Time Thread
- c) Just In Time Compiler
- d) Just In Time Runnable

■ Answer: c) Just In Time Compiler

Q43) Correct statement about JIT?

- a) Produces Byte Code from Java file
- b) Takes bytecode and produces machine code
- c) Assists JAVAC compiler
- d) None of the above

■ Answer: b) Takes bytecode and produces machine code

Q44) What role does bytecode play in platform-independence?

- a) Platform-specific
- b) Interpreted by JVM on any platform
- c) Compiled into machine code by JIT
- d) Works only on Linux

■ Answer: b) Interpreted by JVM on any platform

Q45) Limitation of Java's platform independence?

- a) Runs only on UNIX
- b) Requires JVM for target platform
- c) Must be recompiled for each platform
- d) Bytecode differs

■ Answer: b) Requires JVM for target platform

Q46) What happens when you run javac?

- a) Converts source to machine code
- b) Translates source to bytecode
- c) Runs the program
- d) Converts bytecode to instructions

■ Answer: b) Translates source to bytecode

Q47) A function in C is similar to what in Java?

- a) Method
- b) Member
- c) Variable
- d) None

■ Answer: a) Method

Q48) Primary role of JVM?

- a) Compiles Java code to bytecode
- b) Converts bytecode to machine code and runs apps
- c) Debugs Java code
- d) Part of compiler

■ Answer: b) Converts bytecode to machine code and runs apps

Q49) Correct version of Java Documentation Comment?

- a) /* comments */
- b) /** comments */
- c) /* comments **/
- d) /** comments **/

■ Answer: b) /** comments */

Q50) Which among the following is not a Data Type in Java?

- a) short
- b) int
- c) long double
- d) double

■ Answer: c) long double