

What is Java?

- A. A programming language
- B. A type of coffee
- C. A musical instrument
- D. A form of dance

Answer: A

Which company developed Java?

- A. Google
- B. Oracle
- C. Microsoft
- D. IBM

Answer: B

Which of the following option leads to the portability and security of Java?

- A. Bytecode is executed by JVM
- B. The applet makes the Java code secure and portable
- C. Use of exception handling
- D. Dynamic binding between objects

Answer: A

What is the purpose of Java?

- A. To create desktop applications
- B. To develop server-side software
- C. To create mobile apps
- D. All of the above

Answer: D

Which of the following is not a feature of Java?

- A. Object-oriented
- B. Platform-independent
- C. Case-sensitive
- D. Procedural

Answer: D

Which of the following is a Java compiler?

- A. JDK
- B. JRE
- C. JVM
- D. None of the above

Answer: A

What is the role of the JVM?

- A. To compile Java code
- B. To execute Java code
- C. To write Java code
- D. To debug Java code

Answer: B

Which of the following is a Java keyword?

- A. Function
- B. Class
- C. Object
- D. Variable

Answer: B

What is the entry point of a Java program?

- A. main()
- B. start()
- C. run()
- D. execute()

Answer: A

What is a package in Java?

- A. A collection of classes and interfaces
- B. A type of data structure
- C. A way to organize code
- D. A type of loop

Answer: C

What is the purpose of the Stack Memory in Java?

- a. To store objects and their data
- b. To store method invocations and local variables
- c. To store class definitions and static variables
- d. To store arrays and their elements

Answer: b. To store method invocations and local variables

What is the purpose of the Heap Memory in Java?

- a. To store objects and their data
- b. To store method invocations and local variables
- c. To store class definitions and static variables
- d. To store arrays and their elements

Answer: a. To store objects and their data

Which memory area is shared among all threads in a Java application?

- a. Stack Memory
- b. Heap Memory
- c. Native Memory
- d. Direct Memory

Answer: b. Heap Memory

What happens when the Stack Memory in Java overflows?

- a. An OutOfMemoryError is thrown
- b. The JVM crashes
- c. The program terminates
- d. The Heap Memory is automatically resized

Answer: a. An OutOfMemoryError is thrown

What is the default size of the Heap Memory in Java?

- a. 256 MB
- b. 512 MB
- c. 1 GB
- d. It varies based on the system configuration

Answer: d. It varies based on the system configuration

Which tool can be used to monitor the Heap Memory usage in a Java application?

- a. jconsole
- b. javac
- c. jshell
- d. jlink

Answer: a. jconsole

Which command can be used to check the version of Java installed in Windows 10?

- a. java -v
- b. java -version
- c. java -ver
- d. java -info

Answer: b. java -version

Which file should be modified to set the environment variables for Java in Windows 10?

- a. autoexec.bat
- b. config.sys
- c. .bashrc
- d. system environment variables

Answer: d. system environment variables

Which command can be used to install OpenJDK in Linux?

- a. sudo apt-get install openjdk
- b. sudo apt-get install openjdk-8-jdk
- c. sudo apt-get install java
- d. sudo apt-get install jdk

Answer: b. sudo apt-get install openjdk-8-jdk

Which command can be used to set the JAVA_HOME environment variable in Linux?

- a. export JAVA_HOME=/usr/lib/jvm/java-8-openjdk-amd64/
- b. export JAVA_HOME=/usr/bin/java
- c. export JAVA_HOME=/usr/local/java/
- d. export JAVA_HOME=/opt/java/

Answer: a. export JAVA_HOME=/usr/lib/jvm/java-8-openjdk-amd64/