

Class 9 Chapter 2

Introduction to Java

A. Tick (✓) the Correct Answer

1. Automatic memory management instructs JVM to
 - **d. remove** unused objects automatically. (✓)
2. Java can run on
 - **d. All of these** (✓)
3. Compile button is located at the _____ of the code editor window.
 - **b. top** (✓)
4. During compilation process, Java source code is converted to
 - **c. Bytecode** (✓)
5. Applets are codes in Java which are downloaded from a website on a
 - **a. Client computer** (✓)

B. Fill in the Blanks

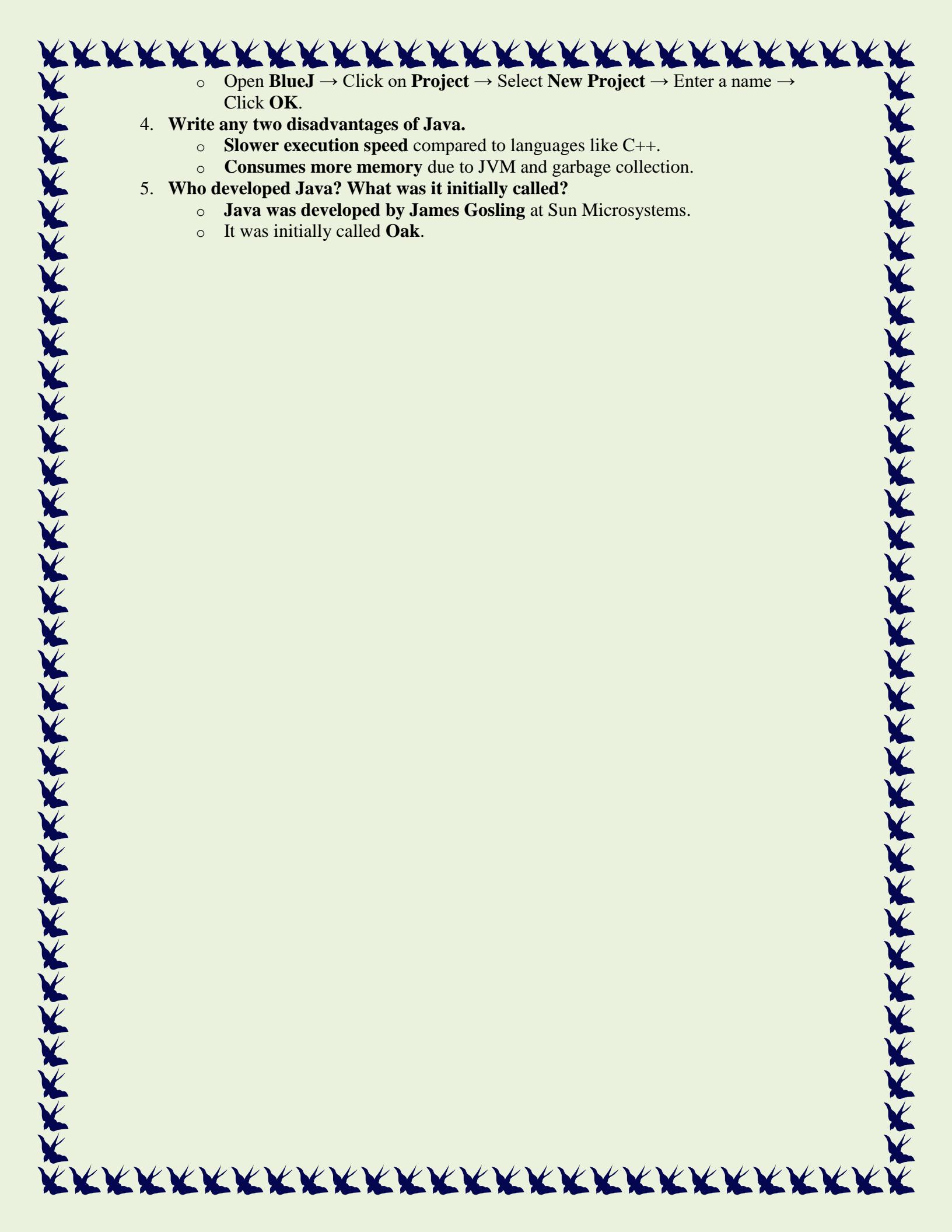
1. The extension of Java bytecode is **.class**.
2. Two types of Java programs are **Java Application** and **Java Applet**.
3. **BlueJ** is a freely downloadable application.
4. Java is a platform-**independent** programming language.
5. **The `println()`** method displays the given string along with a line feed.

C. Short Answer Type Questions

1. **What is BlueJ?**
 - BlueJ is an integrated development environment (IDE) designed for Java programming, mainly used for teaching and learning object-oriented programming.
2. **Write one difference between Java Application and Java Applet.**

Feature	Java Application	Java Applet
Execution	Runs on JVM as a standalone program	Runs inside a web browser
Main Method	Requires <code>main()</code> method	Does not require <code>main()</code> method

3. **How do you create a Java project in BlueJ?**



- Open **BlueJ** → Click on **Project** → Select **New Project** → Enter a name → Click **OK**.

4. **Write any two disadvantages of Java.**

- **Slower execution speed** compared to languages like C++.
- **Consumes more memory** due to JVM and garbage collection.

5. **Who developed Java? What was it initially called?**

- **Java was developed by James Gosling** at Sun Microsystems.
- It was initially called **Oak**.