

Class 9 Chapter 2

Introduction to Java

A. Tick (✓) the Correct Answer

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

B. Fill in the Blanks

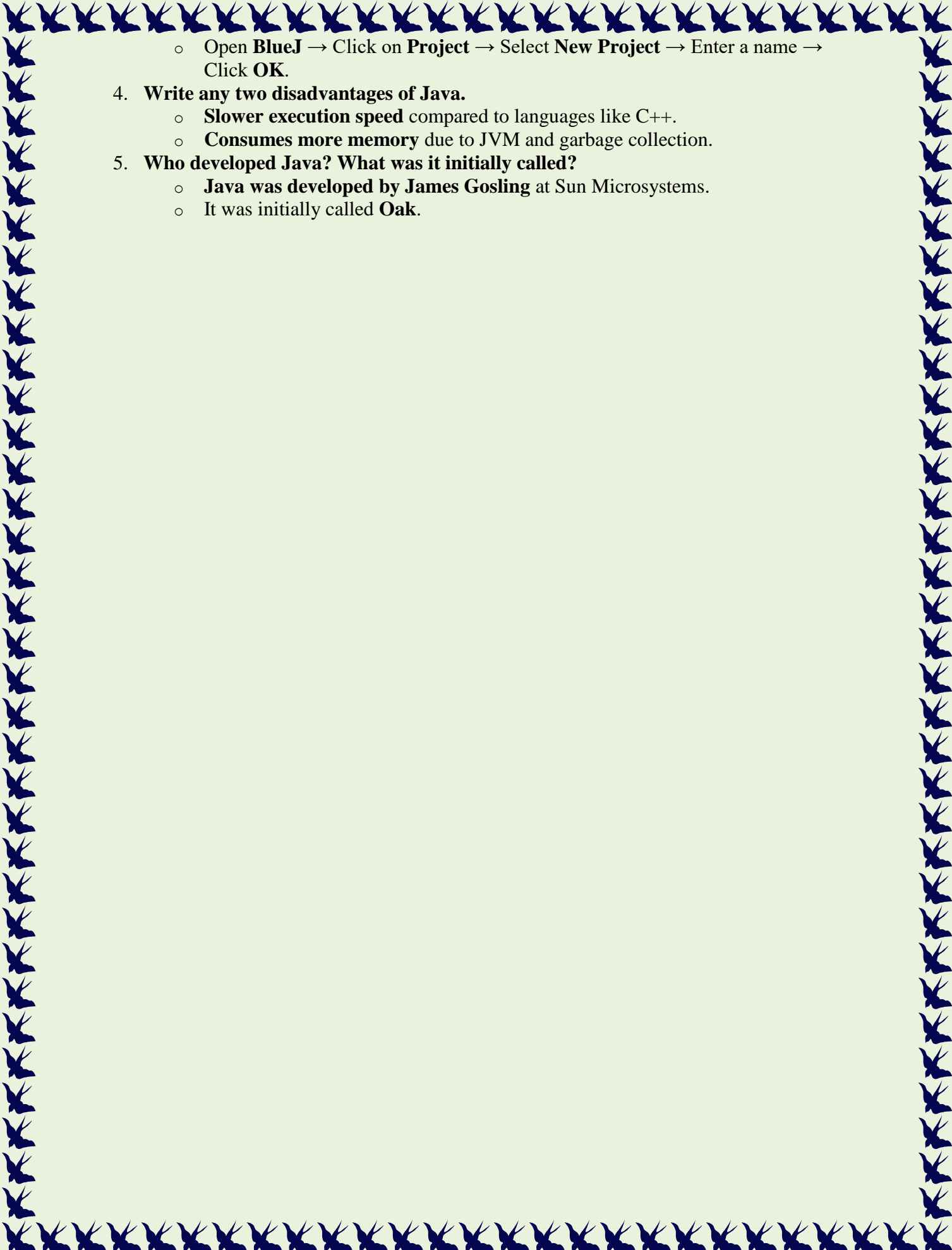
- The extension of Java bytecode is **.class**.
- Two types of Java programs are **Java Application** and **Java Applet**.
- BlueJ** is a freely downloadable application.
- Java is a platform-**independent** programming language.
- The println()** method displays the given string along with a line feed.

C. Short Answer Type Questions

- What is BlueJ?
 - BlueJ** is an integrated development environment (IDE) designed for Java programming, mainly used for teaching and learning object-oriented programming.
- 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

- How do you create a Java project in BlueJ?

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- 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**.