Best Practices for Assignment <1>: Understanding Basic Java Program

Summary of Learning:

- In completing this assignment, you've learned several fundamental aspects of Java development:

- Package Creation: You've created a package named week1.day1 inside the src/main/java directory. Packages are used for organizing classes within your project.

- Class Creation: Inside the week1.day1 package, you've created a Java class named HelloTestLeaf. Class is a blueprint or template which contains methods and variables.

- Main Method: You've added a main method to the HelloTestLeaf class. The main method is the entry point of your Java program and is essential for running Java applications.

- Printing Output: Inside the main method, you've used System.out.println() to print the message "Welcome to TestLeaf" to the console. This is a common way to display output in Java.

- Saving and Running: You've saved and executed your code as a Java application, resulting in the "Welcome to TestLeaf" message displayed in the console.

Alternative Ways to Complete the Assignment:

- To create main method choose public static void main(String[] args) check box while creating the class
- If you prefer using the command line, you can create the package and class directories manually and then use an IDE to create the Java file and write the code.

- Write the Java code and then compile and run the program using F11 or right click on the program and select run as Java application

Best Practices:

- Follow naming conventions: Use meaningful and descriptive names for packages, classes, and methods. For example, instead of week1.day1, consider using a more descriptive package name like com.company.project.module.

- Use IDE features: Take advantage of features provided by your IDE, such as code auto-completion, refactoring tools, and debugging capabilities, to improve your productivity and code quality.
- Comment your code: Add comments to explain your code's purpose, logic, and important details. This will help you and others understand the code better in the future.