Lab 1
Assignment Specification: Installing Java Development Kit (JDK)

Objective:
The objective of this lab assignment is to guide students through the process of installing the Java Development Kit (JDK) on their systems. This installation is a crucial step in setting up the Java programming environment for future coding exercises and projects.

Prerequisites:

- A computer running a supported operating system (Windows, macOS, or Linux)
- Internet connectivity
- Basic understanding of the operating system's file system

Instructions:

1. **Download the JDK:**

   - Students are asked to download the official Oracle JDK or another from reliable source.
   - Ensure that you choose the appropriate JDK version for their operating system (Windows, macOS, or Linux).

2. **Install JDK on Windows:**

   - Provide step-by-step instructions for installing JDK on a Windows system.

3. **Install JDK on macOS:**

   - Give detailed instructions for installing JDK on macOS.
   - Emphasize any specific steps related to macOS, such as configuring the bash_profile.

4. **Install JDK on Linux:**

   - Provide a step-by-step guide for installing JDK on a Linux system.

5. **Verification of Installation:**

   - Student should verify the successful installation of JDK using the terminal or command prompt.

- Have them check the installed Java version to confirm that the installation was completed correctly.

6. **Troubleshooting:**

   - Include common troubleshooting steps in case students encounter issues during the installation process.
   - Students are encouraged to refer to online forums, documentation, or seek assistance from instructors if problems persist.

Submission:

- Students are required to submit a brief report outlining the steps they followed during the installation process.
- The report should include screenshots demonstrating the successful installation of JDK and verification steps.

Deadline:

- The lab assignment is due by 2080/08/20.
- Late submissions may be subject to a penalty.

Evaluation

- Successful installation and verification of JDK.
- Accuracy and completeness of the submitted report.

Note:

- In case of any issues or questions, students are encouraged to reach out to the instructor or lab assistant for assistance.