Java Programming

6-1: JDBC Introduction

Practice Activities

Lesson Objectives:

- Describe the JDBC

- Introduce Oracle JDBC Driver

- Outline the steps in JDBC programming

- Describe the JDBC Statement

Vocabulary:

Identify the vocabulary word for each definition below.

	The JDBC-ODBC Bridge plus ODBC Driver
	The interface used for executing a static SQL statement and returning the results it produces
	The class which manages a set of JDBC Driver
	The interface which is able to provide information for the tables, stored procedures and so on.

Try It/Solve It:

1. Set the JDBC runtime environment:

   ORACLE_HOME/jdbc/lib/ojdbc8.jar
   ORACLE_HOME/jlib/orai18n.jar

2. Identify the structure of the database tables that you will be working with.

   a) Open SQLPlus and log in using the orcluser account.

   b) Identify the structure of each of the tables by running a DESCRIBE command on the table. Identify column names and data types.

   The syntax for a DESCRIBE command is:

   ```
   DESCRIBE tablename;
   ```

   Given Tables:
   - job_grades;
   - job_history;
   - employees;

- jobs;
- departments;
- locations;
- countries;
- regions;

3. Write a java application to display the information in the JOBS table to the console.
   The application should print out the JOB ID, JOB TITLE, MIN SALARY and MAX SALARY columns.