Week 10 : Programming Assignment 2

Due on 2025-04-03, 23:59 IST

Check if a JDBC Driver is Available

Java uses **JDBC drivers** to connect to different databases.
Each database (like SQLite, MySQL, PostgreSQL, etc.) has its own JDBC driver.

This program checks whether the **SQLite JDBC driver** is available in the classpath.
To do that, Java uses `Class.forName(...)` to **try to load** the driver class by its name.

Your task is to **complete one line** of code to load the SQLite driver and **print** `true` if the driver is successfully loaded.

This is a common step when using JDBC in real-world applications, and this exercise helps you get comfortable with how drivers are managed.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1		true	true\n	Passed

The due date for submitting this assignment has passed.
1 out of 1 tests passed.
You scored 100.0/100.

Assignment submitted on 2025-03-26, 22:33 IST

Your last recorded submission was :

```java
import java.sql.*;  // Import required for JDBC classes

public class W10_P2 {
    public static void main(String[] args) {
        try {
            // We will attempt to load the SQLite JDBC driver class.
            // If successful, we'll print true.
            // If the driver class isn't available, we'll catch the error and print false.
Connection conn = null;
Statement stmt = null;
String DB_URL = "jdbc:sqlite:/tempfs/db";
System.setProperty("org.sqlite.tmpdir", "/tempfs");
conn = DriverManager.getConnection(DB_URL);
conn.close();
// If the driver loads successfully, this line will execute.
            System.out.println(true);
        } catch (Exception e) {
            // If there is any error in loading the driver, this line will execute.
            System.out.println(false);
        }
    }
}
```

Sample solutions (Provided by instructor)

```java
import java.sql.*;  // Import required for JDBC classes

public class W10_P2 {
    public static void main(String[] args) {
        try {
            // We will attempt to load the SQLite JDBC driver class.
            // If successful, we'll print true.
            // If the driver class isn't available, we'll catch the error and print false.
Class.forName("org.sqlite.JDBC");
// If the driver loads successfully, this line will execute.
            System.out.println(true);
        } catch (Exception e) {
            // If there is any error in loading the driver, this line will execute.
            System.out.println(false);
        }
    }
}
```