

Lecture 4: PostgreSQL JDBC Driver Setup

Complete IntelliJ IDEA Setup:

Step 1: Create New Project

1. Open IntelliJ IDEA
2. File → New → Project
3. Choose "Java" → Next
4. Project name: `JDBCCourse`
5. Choose project location and JDK version
6. Finish

Step 2: Download PostgreSQL JDBC Driver

1. Visit jdbc.postgresql.org
2. Download latest JDBC driver (.jar file)
3. Save to a known location (e.g., `libs` folder in the project).

Step 3: Add Driver to Project

Method 1: IntelliJ IDEA

1. File → Project Structure (Ctrl+Alt+Shift+S)
2. Select "Modules" → Dependencies tab
3. Click "+" → "JARs or directories"
4. Navigate to downloaded postgresql-xx.xx.jar file
5. Select and click OK
6. Apply and OK

Method 2: Manual Library Addition

1. Create `libs` folder in project root
2. Copy `postgresql-xx.xx.jar` to libs folder
3. Right-click jar file → "Add as Library"

Step 4: Verify Setup

Create a test class to verify the driver is accessible:

```
public class DriverTest {  
    public static void main(String[] args) {  
        try {  
            Class.forName("org.postgresql.Driver");  
            System.out.println("PostgreSQL Driver loaded successfully!");  
        } catch (ClassNotFoundException e) {  
            System.out.println("Driver not found: " + e.getMessage());  
        }  
    }  
}
```

}

}