Database connection and environment setup

**Database Connection**:

We are creating our new MySQL user for our application

* User Id: **springstudent**
* Password: **springstudent**

**Create a new database table and load data**:

* Create a new database table: customer
* Load table with sample data

**File: 01-create-user.sql**:

CREATE USER 'springstudent'@'localhost' IDENTIFIED BY 'springstudent';

GRANT ALL PRIVILEGES ON \* . \* TO 'springstudent'@'localhost';

ALTER USER 'springstudent'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'springstudent';

**File: 02-customer-tracker.sql**:

CREATE DATABASE IF NOT EXISTS `web\_customer\_tracker`;

USE `web\_customer\_tracker`;

DROP TABLE IF EXISTS `customer`;

CREATE TABLE `customer` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`first\_name` varchar(45) DEFAULT NULL,

`last\_name` varchar(45) DEFAULT NULL,

`email` varchar(45) DEFAULT NULL,

PRIMARY KEY (`id`)

) ENGINE = InnoDB AUTO\_INCREMENT = 6 DEFAULT CHARSET=latin1;

LOCK TABLES `customer` WRITE;

INSERT INTO `customer` VALUES

  (1,'David','Adams','david@luv2code.com'),

  (2,'John','Doe','john@luv2code.com'),

  (3,'Ajay','Rao','ajay@luv2code.com'),

  (4,'Mary','Public','mary@luv2code.com'),

  (5,'Maxwell','Dixon','max@luv2code.com');

UNLOCK TABLES;

**Test Database Connection**:

1. Set up our Eclipse project
2. Add JDBC Driver for MySQL
3. Sanity test … make sure we can connect

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