Zen Training Academy

MYSQL JAVA DB connectivity

1. **Download driver and put it inside JAVAWORKS FOLDER**
   Google java mysql driver and download from mysql.com website
2. Create new ECLIPSE PROJECT and create a package and a new class
3. Right click project and set CLASSPATH in Libraries , select the mysqldriver.jar file which you downloaded from mysql.com

```java
import java.sql.Connection;

import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

public class SQLTesting{


// You need to close the resultSet

    public static void main(String [] args) throws Exception
    {
        try {
            // This will load the MySQL driver, each DB has its own driver

            Class.forName("com.mysql.cj.jdbc.Driver");
                        // Setup the connection with the DB
                        Connection  connect = DriverManager
                            .getConnection("jdbc:mysql://localhost/sathish?"
                                    + "user=root&password=");

                        // Statements allow to issue SQL queries to the database
                        Statement statement = connect.createStatement();
                        // Result set get the result of the SQL query
                        ResultSet resultSet = statement.executeQuery("select * from student");
                        while (resultSet.next()) {
                            // It is possible to get the columns via name
                            // also possible to get the columns via the column number
                            // which starts at 1
                            // e.g. resultSet.getSTring(2);
                            String studentname = resultSet.getString("studentname");
                            String phonenumber = resultSet.getString("phonenumber");
                            System.out.println("studentname: " + studentname);
                            System.out.println("phoenumber: " + phonenumber);


                } 
        } catch (Exception e) {
            throw e;
        } finally {

        }

        }
    }
```

Compile the program with classpath variable

javac –classpath "location of mysql j connector.jar" SQLTesting.java

to run

java –cp "location of mysql j connector.jar";. SQLTesting