* DriverManager has 3 overloaded version of getConnection() methods

1. Connection getConnection(String dbUrl) throws SQLException

String dbUrl = “jdbc:mysql://localhost:3306/BECEME89\_DB?user=root&password=root”;

Connection con = DriverManager.getConnection(dbUrl);

1. Connection getConnection(String dbUrl, String userNM,String password) throws SQLException

String dbUrl =

“jdbc:mysql://localhost:3306/BECME89\_DM”;

String userNM = “root”;

String pass = “root”;

Connection con = DriverManager.getConnection(dbUrl, userNM, pass);

1. Connection getConnection (String url, Properties info) throws SQLException

String dbUrl = “jdbc:mysql://localhost:3306/BECEME89\_DB”;

String filePath = “”;

FileReader reader = new FileReader(filePath);

Properties props = new Properties();

Props.load(reader);

Connection con = DriverManager.getConnection(dbUrl, props);

//Data Present in “db.properties” File is:-

#DB Credentials

User = root

Password = root

Note:

* We can make use of any version of “getConnection()” method to establish connection to RDBMS application
* But “getConnection(String url, Properties info)” helps us to take out the hardcoded credentials from program & keep it outside of the application
* Hence this method is widely used because it helps us to “easily maintain the application “ whenever there is change in DB credentials.

**MyFirstJDBCAppUsingPropertyFile**

**import** java.io.File;

**import** java.io.FileReader;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.Statement;

**import** java.util.Properties;

**import** java.util.Scanner;

**public** **class** MyFirstJDBCUsingPropertyFile {

**public** **static** **void** main(String[] args) {

Connection con = **null**;

Statement stmt = **null**;

ResultSet rs = **null**;

**try** {

File file = **new** File("F:\\Files\\db.properties");

FileReader reader = **new** FileReader(file);

Properties prop = **new** Properties();

prop.load(reader);

/\*

\* 1. Load the Driver

\*/

java.sql.Driver driver = (java.sql.Driver)

Class.*forName*("com.mysql.jdbc.Driver")

.newInstance();

DriverManager.*registerDriver*(driver);

/\*

\* 2. Get the DB connection via Driver

\*/

String dbUrl = prop.getProperty("dbUrl");

con = DriverManager.*getConnection*(dbUrl,prop);

/\*

\* 3. Issue the SQL query via connection

\*/

String query = "SELECT \* FROM students\_info";

stmt = con.createStatement();

rs = stmt.executeQuery(query);

/\*

\* 4. Process the result

\*/

**while**(rs.next()){

**int** regno = rs.getInt("regno");

String firstname = rs.getString("firstname");

String middlename = rs.getString("middlename");

String lastname = rs.getString("lastname");

System.***out***.println("Regno: "+regno);

System.***out***.println("First Name: "+firstname);

System.***out***.println("Middle Name: "+middlename);

System.***out***.println("Last Name: "+lastname);

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

} **catch** (Exception e) {

e.printStackTrace();

}**finally**{

/\*

\* 5. Close all the JDBC Objects

\*/

**try**{

**if**(rs != **null**){

rs.close();

}

**if**(stmt != **null**){

stmt.close();

}

**if**(con != **null**){

con.close();

}

}**catch**(Exception e){

e.printStackTrace();

}

}

}

}

**Property File Reading Program:**

**import** java.io.File;

**import** java.io.FileReader;

**import** java.util.Properties;

**public** **class** MyPropertyFileReader {

**public** **static** **void** main(String[] args)**throws** Exception {

String path = "F:/Files/Person.properties";

File file = **new** File(path);

FileReader in = **new** FileReader(file);

Properties prop = **new** Properties();

prop.load(in);

System.***out***.println("Name: "+prop.getProperty("name"));

System.***out***.println("Age: "+prop.getProperty("age"));

System.***out***.println("Address: "+prop.getProperty("address"));

}

}