**import** java.io.\*;

**import** java.sql.\*;

**import** java.util.StringTokenizer;

**public** **class** Example1 {

//remember to put the jdbc jar under the $JAVA/.../lib/ext folder!!

**static** String *url*="jdbc:mysql://localhost/test?user=root";

**static** Connection *con*;

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

{

*myinit*();

*createTable*();

*insertData*();

*getData*();

// dropTable();

*myclose*();

}

**public** **static** **void** **myinit**()

{

**try**

{

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

}

**catch** (java.lang.ClassNotFoundException e)

{

System.*err*.print("ClassNotFoundException: ");

}

**try**

{

*con* = DriverManager.*getConnection* (*url*, "root", "XXX");

DatabaseMetaData md = *con*.getMetaData();

**if** (md==**null**)

{

System.*out*.println("No Database Meta Data");

}

**else**

{

System.*out*.println("Database Product Name : " +

md.getDatabaseProductName());

System.*out*.println("Allowable active connections: "+

md.getMaxConnections());

}

}

**catch**(SQLException ex) {

System.*err*.println("SQLException: "+ex.getMessage());

}

}

**public** **static** **void** **createTable**()

{

Statement stmt;

String query="CREATE TABLE `partsupp` ("+

"`PS\_PARTKEY` int(11) NOT NULL default '0',"+

"`PS\_SUPPKEY` int(11) NOT NULL default '0',"+

"`PS\_AVAILQTY` int(11) NOT NULL default '0',"+

"`PS\_SUPPLYCOST` decimal(10,0) NOT NULL default '0',"+

"`PS\_COMMENT` varchar(199) NOT NULL default ''"+

") COMMENT='TPC-H partsup table'";

**try**

{

stmt = *con*.createStatement();

stmt.executeUpdate(query);

stmt.close();

}

**catch**(SQLException ex)

{

System.*err*.println("SQLException: "+ex.getMessage());

}

}

**public** **static** **void** **insertData**()

{

Statement stmt;

String data =

"2|3|8895|378.49|furiously\_even\_are\_furiously\_regular\_plate|\n" + "2|315|4969|915.27|even\_accounts\_wake\_idle\_instructions\_sleep\_in\_|\n" +

"2|627|8539|438.37|furiously\_even\_pinto\_serve\_about\_the\_ironic\_idea|\n" +

"2|939|3025|306.39|deposits\_to\_the\_final,\_special\_foxes\_detec|\n";

StringTokenizer rowt = **new** StringTokenizer(data,"\n");

**try**

{

String row;

String query="";

String mytoken[] = **new** String[5];

stmt = *con*.createStatement();

**int** num\_rows = rowt.countTokens();

**for**(**int** j=0; j<num\_rows; j++)

{

row = rowt.nextToken();

StringTokenizer st = **new** StringTokenizer(row,"|");

**for**(**int** i=0; i<5; i++)

{

mytoken[i] = st.nextToken();

}

query = "INSERT INTO `partsupp` VALUES ('" + mytoken[0]+"','"+mytoken[1]+"','"+mytoken[2]+"','"+mytoken[3]+"','"+mytoken[4]+"')";

stmt.executeUpdate(query);

}

stmt.close();

}

**catch**(SQLException ex)

{

System.*err*.println("SQLException: "+ex.getMessage());

}

}

**public** **static** **void** **getData**()

{

Statement stmt;

ResultSet res;

**int** qty;

**float** cost;

String query="SELECT PS\_AVAILQTY,PS\_SUPPLYCOST FROM `partsupp`";

**try**

{

stmt = *con*.createStatement();

res = stmt.executeQuery(query);

**while**( res.next() )

{

qty = res.getInt("PS\_AVAILQTY");

cost = res.getInt("PS\_SUPPLYCOST");

System.*out*.println(qty+":"+cost);

}

stmt.close();

}

**catch**(SQLException ex)

{

System.*err*.println("SQLException: "+ex.getMessage());

}

}

**public** **static** **void** **dropTable**()

{

Statement stmt;

String query="DROP TABLE `partsupp`";

**try**

{

stmt = *con*.createStatement();

stmt.executeUpdate(query);

stmt.close();

}

**catch**(SQLException ex)

{

System.*err*.println("SQLException: "+ex.getMessage());

}

}

**public** **static** **void** myclose()

{

**try**{

*con*.close();

}

**catch**(SQLException ex) {

System.*err*.println("SQLException: "+ex.getMessage());

}

}

}