Personnel Database(Program challenge 6)

import java.sql.\*;

public class PersonnelDB {

/\*

Programmer: Peter G Rutherford ~ I also used your CreateCoffeeDB as a template

Assignment Chapter: Chapter 15

Purpose: My purpose is to learn Java and get a good grade.

Date modified: 03/2/2021

IDE/Toool used: NetBeans IDE 8.2

\*/

public static void main(String[] args) {

final String DB\_URL = "jdbc:derby:PersonnelDB;create = true";

try

{

Connection conn =

DriverManager.getConnection(DB\_URL);

dropTables(conn);

buildEmployeesTable(conn);

conn.close();

}

catch (Exception ex)

{

System.out.println("ERROR: " + ex.getMessage());

}

}

public static void dropTables(Connection conn){

System.out.println("Checking for tables...");

try

{

Statement stmt = conn.createStatement();;

try

{

stmt.execute("DROP TABLE Employees");

System.out.println("Employees table dropped.");

}

catch(SQLException ex)

{

}

}catch(SQLException ex)

{

System.out.println("ERROR: " + ex.getMessage());

ex.printStackTrace();

}

}

public static void buildEmployeesTable(Connection conn){

try

{

Statement stmt = conn.createStatement();

// Create the table.

stmt.execute("CREATE TABLE Employees " +

"(Empoyee\_ID CHAR(10) NOT NULL PRIMARY KEY, " +

"Name CHAR(25)," +

"Position CHAR(20), " +

"Hourly\_Rate DOUBLE)");

stmt.executeUpdate("INSERT INTO Employees VALUES" +

"('001-001', 'Juan Flores', 'Manager'," +

" 45.50)");

stmt.executeUpdate("INSERT INTO Employees VALUES" +

"('001-002', 'Ashley Homer', 'Manager Assistant'," +

" 22.75)");

stmt.executeUpdate("INSERT INTO Employees VALUES" +

"('001-003', 'Tyler Reeger', 'Janitor'," +

" 18.00)");

stmt.executeUpdate("INSERT INTO Employees VALUES" +

"('001-004', 'Judy Hopkins', 'Coder'," +

" 30.25)");

stmt.executeUpdate("INSERT INTO Employees VALUES" +

"('001-005', 'Peter Rutherford', 'Coder'," +

" 30.25)");

System.out.println("Employees table created.");

}

catch (SQLException ex)

{

System.out.println("ERROR: " + ex.getMessage());

}

}

}

