-- -----------------------------------------

-- SQL문제 1번

-- -----------------------------------------

-- 1.1

use world2;

SELECT \* FROM city;

-- 1-2

SELECT Language, Percentage FROM countrylanguage WHERE CountryCode = 'CHE';

-- 1-3

INSERT INTO world2.city (`ID`, `Name`, `CountryCode`, `District`, `Population`) VALUES (0, 'Cairo', 'EGY', 'Cairo Governorate', 9500000);

-- 1-4

UPDATE world2.city SET Name = 'GoodSite' WHERE (CountryCode = 'PNG');

-- 1-5

SELECT \* FROM country ORDER BY Name DESC;

-- -----------------------------------------

-- SQL문제 2번

-- -----------------------------------------

-- 2-1

-- 2-2

SELECT CONCAT(id,’-‘, CountryCode ) from city;

-- 2-3

SELECT LENGTH(District) FROM city;

-- 2-4

SELECT AVG(Population) FROM city;

-- 2-5

SELECT Continent,MAX(GNP) FROM country

GROUP BY Continent

ORDER BY MAX(GNP) ASC;

-- -----------------------------------------

-- SQL문제 3번

-- -----------------------------------------

-- 3-1

SELECT city.Name, c.Name FROM city

INNER JOIN world2.country c ON city.CountryCode = c.Code;

-- 3-2

SELECT country.Name, cl.Language FROM country

LEFT OUTER JOIN world2.countrylanguage cl ON country.Code = cl.CountryCode;

-- 3-3

SELECT Name,Population FROM city

where Population >= ALL (

SELECT MAX(Population) FROM city

);

-- -----------------------------------------

-- JDBC문제 4번

-- -----------------------------------------

-- 4-1

public int getID() {

return ID;

}

public String getName() {

return Name;

}

public String getCountryCode() {

return CountryCode;

}

public String getDistrict() {

return District;

}

public int getPopulation() {

return Population;

}

public void setID(int ID) {

this.ID = ID;

}

public void setName(String name) {

Name = name;

}

public void setCountryCode(String countryCode) {

CountryCode = countryCode;

}

public void setDistrict(String district) {

District = district;

}

public void setPopulation(int population) {

Population = population;

}

@Override

public String toString() {

return "CityVO{" +

"ID=" + ID +

", Name='" + Name + '\'' +

", CountryCode='" + CountryCode + '\'' +

", District='" + District + '\'' +

", Population=" + Population +

'}';

}

-- 4-2

try {

String driver = "com.mysql.cj.jdbc.Driver";

Class.forName(driver);

System.out.println("1. 드라이버 설정 OK");

String url = "jdbc:mysql://localhost:3306/user\_ex";

String id = "root";

String password = "1234";

Connection conn = DriverManager.getConnection(url, id, password);

System.out.println("연결 성공~");

String sql = "INSERT INTO users(ID, Name, CounrtryCode, District, Population) VALUES(?,?,?,?,?)";

PreparedStatement pstmt = conn.prepareStatement(sql);

pstmt.setInt(1, insert().getID());

pstmt.setString(2, insert().getName());

pstmt.setString(3, insert().getCountryCode());

pstmt.setString(4, insert().getDistrict());

pstmt.setInt(5, insert().getPopulation());

int affectedRows = pstmt.executeUpdate();

if (affectedRows > 0) {

System.out.println("회원 추가 성공");

} else {

System.out.println("회원 추가 실패");

}

pstmt.close();

conn.close();

} catch (Exception e) {

e.printStackTrace();

}

-- -----------------------------------------

-- JDBC문제 5번

-- -----------------------------------------

-- 5-1

try {

String driver = "com.mysql.cj.jdbc.Driver";

Class.forName(driver);

System.out.println("1. 드라이버 설정 OK");

String url = "jdbc:mysql://localhost:3306/user\_ex";

String id = "root";

String password = "1234";

Connection conn = DriverManager.getConnection(url, id, password);

String sql = "SELECT ID, Name, CountryCode, District, Population FROM city";

Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery(sql);

while (rs.next()) {

int getID = rs.getInt("ID");

String getName = rs.getString("Name");

String getCountryCode = rs.getString("CountryCode");

String getGetDistrict = rs.getString("District");

int getPopulation = rs.getInt("Population");

CityVO cityVO = new CityVO(getID, getName, getCountryCode, getGetDistrict, getPopulation);

getList.add(getList);

rs.close();

stmt.close();

conn.close();

}

} catch (Exception e) {

e.printStackTrace();

}

return null;

-- 5-2

List<CityVO> users = CityVO.cityVO();

for (CityVO cityVO : cityDAO2) {

System.out.printf(cityVO);

}