**예제 3번**

**import** java.sql.\*; //JDBC를 위한 클래스

**public** **class** Ex3 {

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

// **TODO** Auto-generated method stub

String url = "jdbc:inetdae7://210.115.229.77:2433"; //접근자

String query = "Select OrderID, CustomerID, EmployeeID from orders"; //질의문

Connection con = **null**; //SQL서버의 연결객체

Statement stmt = **null**; //쿼리를 실행하기 위한 Statement

**try** {

con = DriverManager.*getConnection*(url,"20145165","s145165@Hallym");

con.setCatalog("Northwind"); //setCatalog()메소드로 사용할 데이터베이스 지정

System.***out***.println("Connected to DB...");

stmt = con.createStatement(ResultSet.***TYPE\_SCROLL\_SENSITIVE***, ResultSet.***CONCUR\_READ\_ONLY***);

//커서 속성을 지정한 Statement 생성

ResultSet rs = stmt.executeQuery(query); //역방향 출력을 위해 가장 마지막 행의 다음으로 커서 이동

rs.afterLast(); //커서를 이전 행으로 이동, 철 행보다 앞이라면 false를 반환

**if**(rs.isAfterLast()==**true**) {

**while**(rs.previous()) {

**int** col1 = rs.getInt(1);

String col2 = rs.getString(2);

**int** col3 = rs.getInt(3);

System.***out***.println(" " + col1 + " : " + col2 + " : " + col3);

}

}

rs.close();

stmt.close();

con.close();

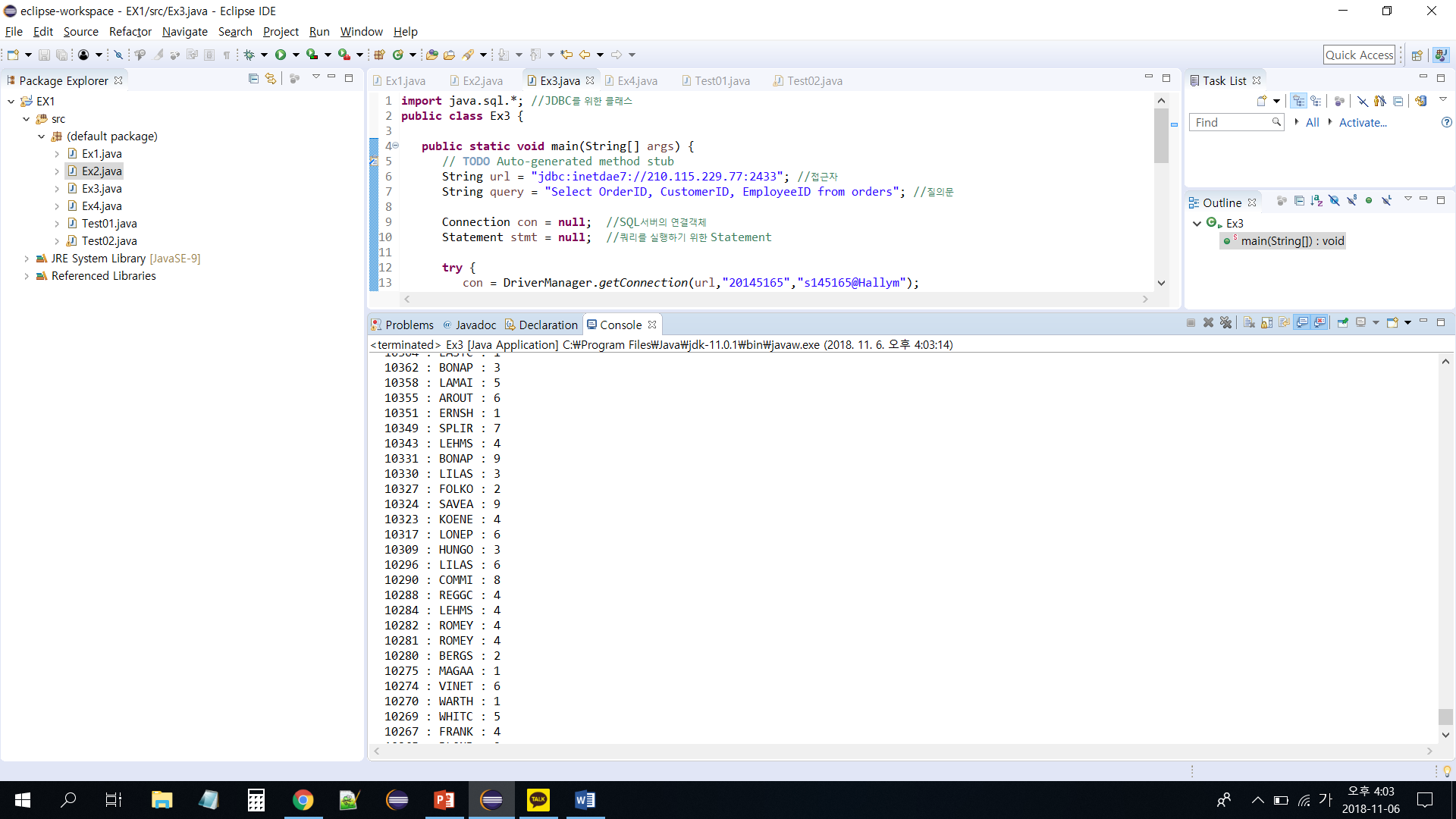
}

**catch**(Exception se){

System.***out***.println(se.getMessage());

}

}

}

예제 4번

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

**public** **class** Ex4 {

Connection con = **null**;

Statement stmt = **null**;

ResultSet rs = **null**;

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

Ex4 ex4 = **new** Ex4();

ex4.Execute();

}

**public** Ex4() {

**try** {

con = DriverManager.*getConnection*("jdbc:inetdae7://210.115.229.77:2433","20145165","s145165@Hallym");

con.setCatalog("Northwind");

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

}

**catch**(SQLException se){

System.***err***.println(se.getLocalizedMessage());

}

}

**public** **void** Execute() {

**try** {

stmt = con.createStatement(ResultSet.***TYPE\_SCROLL\_SENSITIVE***,ResultSet.***CONCUR\_UPDATABLE***);

// 레코드셋을 이용하여 삽입,삭제,수정을 하기 위해 커서를 반드시 TYPE\_SCROLL\_SENSITIVE, COCUR\_UPDATEABLE로 지정합니다.

rs = stmt.executeQuery("select \* from [20145165].dbo.score");

rs.absolute(4);

rs.deleteRow();

rs.moveToInsertRow();

rs.updateString("s\_id", "954522");

rs.updateInt("korean", 75);

rs.updateInt("English", 95);

rs.updateInt("math", 100);

rs.insertRow();

rs.absolute(2);

rs.updateInt("korean", 95);

rs.updateRow();

rs.refreshRow();

System.***out***.println("s\_id Korean English Math");

**if**(rs.first()) { //레코드셋의 각 레코드의 값을 출력

**do** {

String s\_id = rs.getString(1);

**int** korean = rs.getInt(2);

**int** english = rs.getInt(3);

**int** math = rs.getInt(4);

System.***out***.println(s\_id + " " + korean + " " + english + " " + math);

}**while**(rs.next());

}

}

**catch**(SQLException se) {

System.***err***.println(se.getMessage());

}

}

**public** **void** Close() { //모든 연결 해제

**try** {

con.close();

stmt.close();

rs.close();

}

**catch**(SQLException se) {

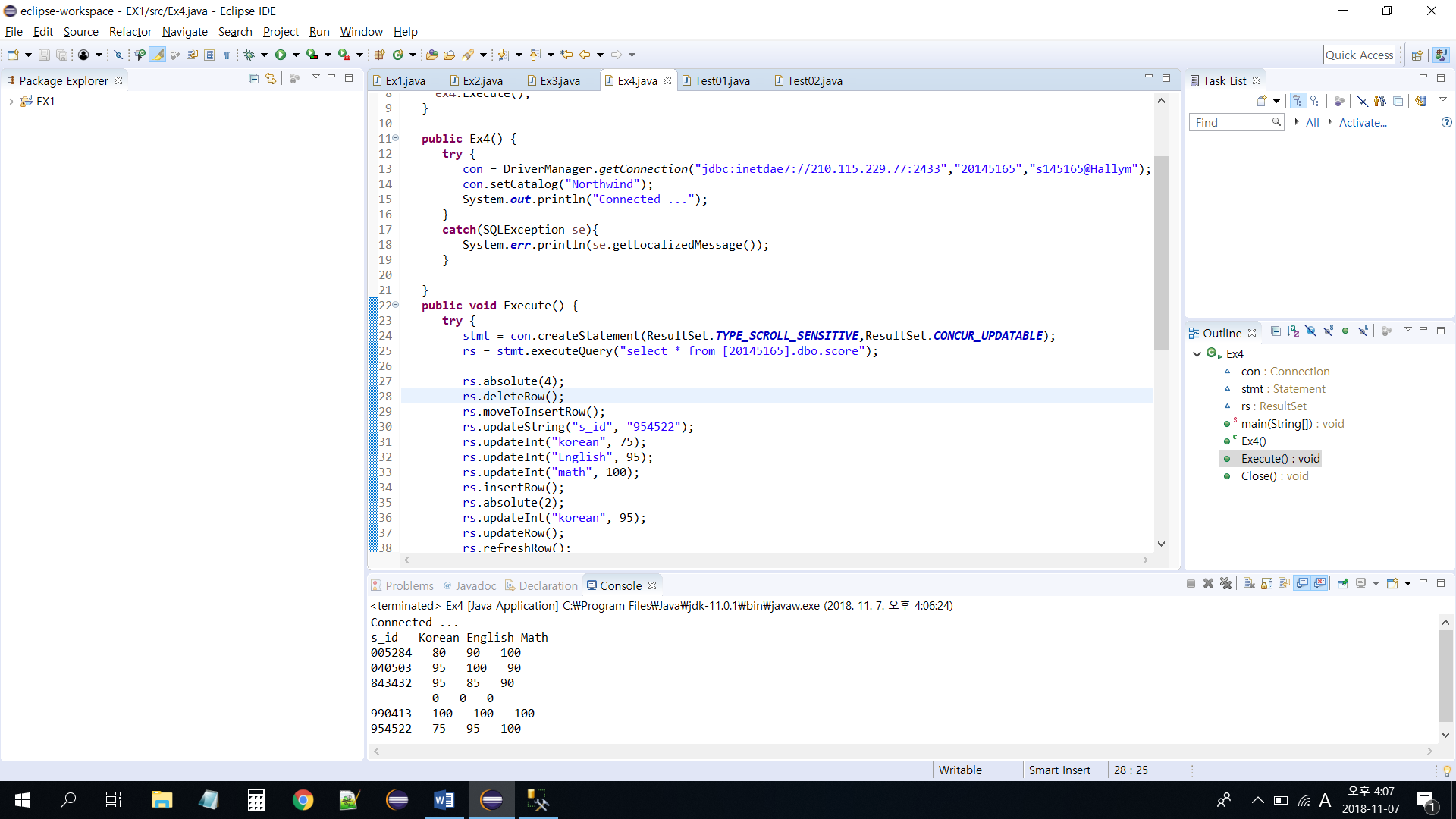
System.***out***.println(se.getMessage());

}

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

}

}



실습 1번

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

**public** **class** Test01 {

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

// **TODO** Auto-generated method stub

String url = "jdbc:sqlserver://210.115.229.77:2433;DatabaseName=Northwind";

String query = "select ProductName,UnitPrice,UnitsinStock from Products where ProductName LIKE 'C%'";

Connection con = **null**;

Statement stmt = **null**;

**try** {

con = DriverManager.*getConnection*(url,"20145165","s145165@Hallym");

stmt = con.createStatement();

ResultSet rs = stmt.executeQuery(query);

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

String col1 = rs.getString(1);

**int** col2 = rs.getInt(2);

**int** col3 = rs.getInt(3);

**int** col4 = col2 \* col3;

System.***out***.println(" " + col1 + " : "+ col2 + " : " + col3 + " : " + col4);

}

rs.close();

stmt.close();

con.close();

}

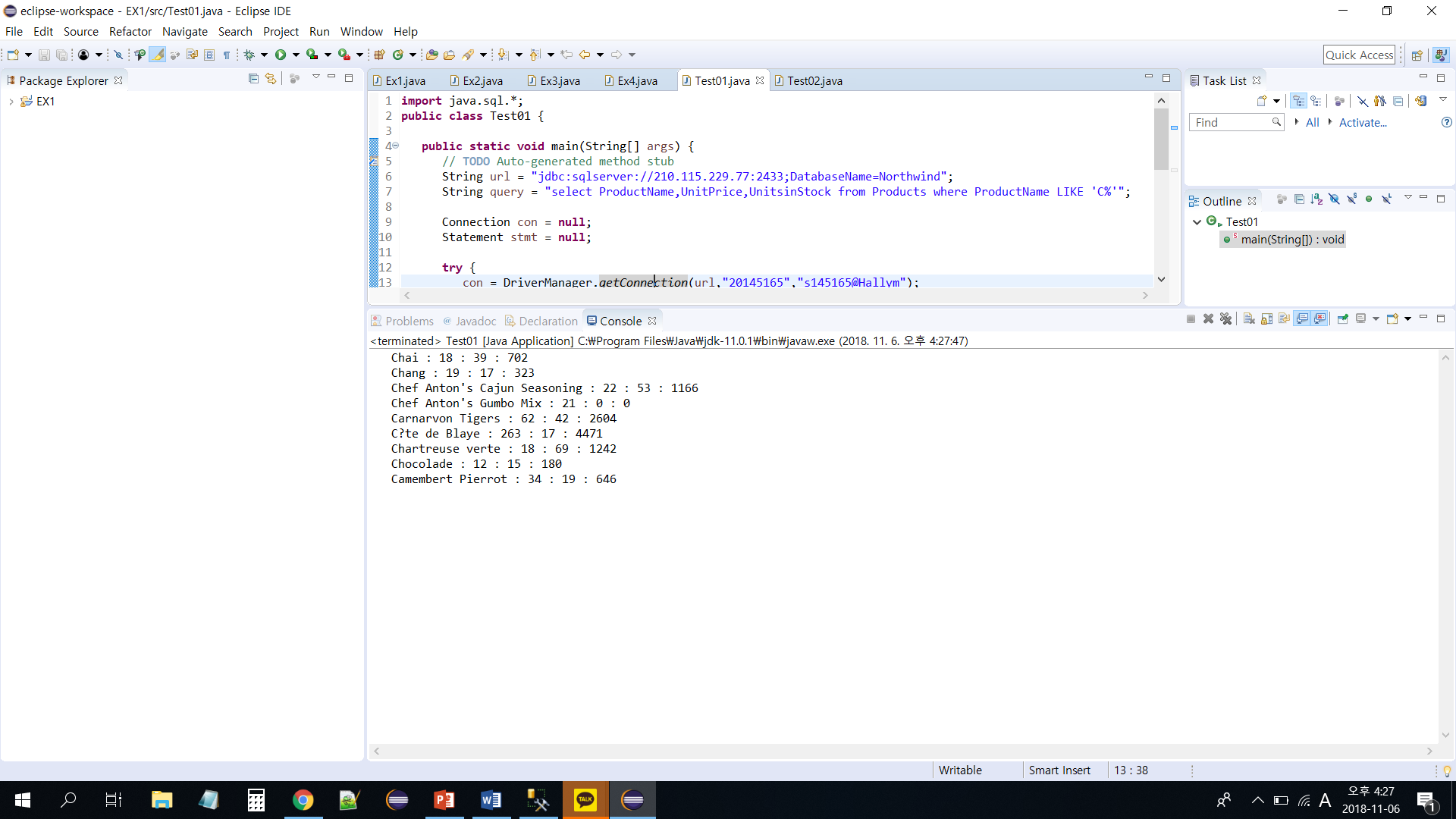
**catch**(Exception e){

System.***out***.println(e);

}

}

}



실습 2번

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

**import** java.util.Scanner;

**public** **class** Test02 {

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

// **TODO** Auto-generated method stub

Scanner sc = **new** Scanner(System.***in***);

System.***out***.print("검색할 나라 입력: ");

String message = sc.nextLine();

String url = "jdbc:sqlserver://210.115.229.77:2433;DatabaseName=Northwind";

String query = "select CompanyName,ContactName,Phone from Customers where Country = ?";

Connection con = **null**;

PreparedStatement pstmt = **null**;

**try** {

con = DriverManager.*getConnection*(url,"20145165","s145165@Hallym");

pstmt = con.prepareStatement(query);

pstmt.setString(1, message);

ResultSet rs = pstmt.executeQuery();

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

String col1 = rs.getString(1);

String col2 = rs.getString(2);

String col3 = rs.getString(3);

System.***out***.println(" " + col1 + " : "+ col2 + " : " + col3);

}

rs.close();

pstmt.close();

con.close();

}

**catch**(Exception e){

System.***out***.println(e);

}

}

}

}