

```
/**
```

```
 * @프로그램:StudentDao.java
```

```
 * @저자 학번:2019212969 이름:강해원
```

```
 * @날짜:2021.10.06
```

```
 * 질의401:
```

```
 * sql-401:
```

```
 */
```

```
package com.mycompany.sql401_1;
```

```
import java.sql.*;
```

```
import java.util.ArrayList;
```

```
import java.util.List;
```

```
public class StudentDao {
```

```
    Connection con;
```

```
    ResultSet rs;
```

```
    PreparedStatement pstmt=null;
```

```
    Statement stmt=null;
```

```
    String sql;
```

```
    DBCon dbc = new DBCon();
```

```
    // 모든 학생 튜플 검색 후 리스트를 만들어서 반환 '18.11.01
```

```
    //sql = select * from student;
```

```
    public List makeListAllStudents(String sql){
```

```
        List list = new ArrayList();
```

```
        try {
```

```

        rs = dbc.getRS(sql);

        while(rs.next()){

            StudentBean sb = new StudentBean();

            sb.setId(rs.getString(1));

            sb.setName(rs.getString(2));

            sb.setDepName(rs.getString(3));

            sb.setTotCred(rs.getInt(4));

            list.add(sb);

        }

    }catch(SQLException e){

        System.out.println("SQL State: "+e.getSQLState());

    }

    return list;

}

```

//학생 테이블 타이틀 DTO 반환. '18.11.01

```

public StudentTitleBean makeStudentTitle(String sql){

    ResultSetMetaData rsmd;

    pstmt = dbc.getPstmt(sql);

    StudentTitleBean stb = new StudentTitleBean();

    try {

        rs = pstmt.executeQuery();

        rsmd = rs.getMetaData();

        stb.setIdTitle(rsmd.getColumnName(1));

        stb.setNameTitle(rsmd.getColumnName(2));

        stb.setDepNameTitle(rsmd.getColumnName(3));

        stb.setTotCredTitle(rsmd.getColumnName(4));

    }
}

```

```
    }catch(SQLException ex){  
        System.out.println("SQL State: "+ex.getSQLState());  
    }  
    return stb;  
}  
}
```