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/**
 * @프로그램:SQL401
 * @저자:학번:2019212969 이름:강해원
 * @날짜:2021.10.06.
 * 질의401:모든 학생을 찾으세요.
 * sql-401:select * from student;
 */

package com.mycompany.sql401_1;

import java.io.IOException;

import java.util.Formatter;

import java.util.Iterator;

import java.util.List;

import java.util.Scanner;

public class SQL401 {

    String sql="select * from student";

    String sqlh="모든 학생을 찾으세요.";

    StudentDao sd = new StudentDao();

    StudentBean sb = new StudentBean();

    Scanner scan = new Scanner(System.in);

    //학생의 모든 속성 이름(제목) 출력

    public void printStudentTitle(StudentTitleBean stb){

        System.out.printf("%10s ", stb.getIdTitle());
    }
}

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        System.out.printf("%-20s", stb.getNameTitle());

        System.out.printf("%-20s", stb.getDepNameTitle());

        System.out.printf("%10sWn", stb.getTotCredTitle());
    }

    // 표준 출력(화면)

    public void printAllStudent(){

        List<StudentBean> list;

        System.out.format(" 학번: 2019212969 이름: 강해원 날짜: 2021.10.06Wn");

        System.out.format(" 질의401: "+sqlh+"Wn");

        System.out.format(" sql_401: "+sql+"Wn");

        System.out.format(" 실행 결과: WnWn");

        StudentTitleBean stb = sd.makeStudentTitle(sql);

        printStudentTitle(stb);

        list = sd.makeListAllStudents(sql);

        Iterator it = list.iterator();

        while(it.hasNext()){

            sb = (StudentBean)it.next();

            System.out.format("%10s ", sb.getId());

            System.out.format("%-20s", sb.getName());

            System.out.format("%-20s", sb.getDepName());

            System.out.format("%10d", sb.getTotCred());

            System.out.format("Wn");

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}  
  
System.out.println();  
}
```

//파일 출력

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public void writeAllStudent(){  
  
    Formatter output;  
  
    List<StudentBean> list;  
  
    list = sd.makeListAllStudents(sql);  
  
    Iterator it = list.iterator();  
  
    try {  
  
        output = new Formatter("d:/sql_100/sql_401.txt");  
  
        output.format("\n 파일이름: sql-401.txt(font:letter gothic std)\n");  
  
        output.format(" 학번: 2019212969 이름: 강해원 날짜: 2021.10.06\n");  
  
        output.format(" 질의401: "+sqlh+"\n");  
  
        output.format(" sql_401: "+sql+"\n");  
  
        output.format(" 실행결과: \n\n");  
  
        StudentTitleBean stb = sd.makeStudentTitle(sql);  
  
        output.format("%10s ", stb.getIdTitle());  
  
        output.format("%-20s", stb.getNameTitle());  
  
        output.format("%-20s", stb.getDepNameTitle());  
  
        output.format("%10s\n", stb.getTotCredTitle());  
  
        while(it.hasNext()){
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        sb = (StudentBean)it.next();

        output.format("%10s ", sb.getId());

        output.format("%-20s", sb.getName());

        output.format("%-20s", sb.getDepName());

        output.format("%10d", sb.getTotCred());

        output.format("\n");
    }

    output.close();

    System.out.println("\n파일에 쓰기 성공.");

} catch (IOException e) {

    System.out.println("\n파일에 쓰기 오류.");

}

}

public static void main(String[] args) {

    SQL401 sql_401 = new SQL401();

    sql_401.printAllStudent();

    sql_401.writeAllStudent();

}

}

```