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package javaapplication3;

import java.io.IOException;
import net.sf.json.JSONArray;
import net.sf.json.JSONObject;

public class JavaApplication3 {

    public static void main(String[] args) throws IOException {
        String myJSON = FileReader.loadFileIntoString("json/student.json",
            "UTF-8");
        JSONObject student=JSONObject.fromObject(myJSON);
        int id= student.getInt("student_id");
        String fName=student.getString("first_name");
        String lName=student.getString("last_name");
        String dob=student.getString("date_birth");
        boolean active=student.getBoolean("active");
        double gpa=student.getDouble("GPA");
        System.out.println(id + " - " + fName + " - "
            + lName+ " - " +dob+ " - " +gpa);

        JSONArray listCourses=student.getJSONArray("results");
        JSONObject singleCourse;

        String title, cid;
        double mark;

        for (int i = 0; i < listCourses.size(); i++) {

            singleCourse = listCourses.getJSONObject(i);

            cid=singleCourse.getString("course_id");
            title=singleCourse.getString("course_title");
            mark=singleCourse.getDouble("mark");

            System.out.println("\t" + cid + ", " + title + ", " + mark + ".");
        }
    }
}
```