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package ppe1;

import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.util.Random;

public class aa1 {
    public static void main(String[] args) {
        JFrame window = new JFrame();
        window.setTitle("ali hassan");
        window.setSize(500,500);

        window.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        window.setLayout(new FlowLayout(FlowLayout.CENTER));
        window.setVisible(true);

        JTextField textField = new JTextField(10);
        window.add(textField);

        JTextField textField1 = new JTextField(10);
        window.add(textField1);

        JTextField textField2 = new JTextField(10);
        window.add(textField2);

        JTextField textField3 = new JTextField(50);
        textField3.setEditable(false);
        window.add(textField3);

        JButton button = new JButton("insert");
        button.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                student s = new
student(textField1.getText(),textField2.getText());

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        textField3.setText(s.toString());
    }
});
window.add(button);

}

}

class student{
    private static int no = 0;
    private String id , name , major,nos;

    // student(String name){
    //     no++;
    //     this.name=name;
    //     major=updateMajor();
    //     id = generateID();
    // }
    //
    // student(String name , String major){
    //     no++;
    //     this.major=major;
    //     this.name=name;
    //     major=updateMajor();
    //     id = generateID();
    // }
    //
    //
    //
    //
    student(String name ,String nos){
        no++;
        major=updateMajor();

        id = generateID();
    }
}

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        this.name=name;
        this.nos=nos;
    }

    public String generateID(){
        Random rnd = new Random();
        int number = rnd.nextInt(999999);
        return String.format("%06d", number);
    }

    public String updateMajor(){
        return no+" "+id+" "+name+" "+nos;
    }

    @Override
    public String toString() {
        return "student{" +
            "id='" + id + '\'' +
            ", name='" + name + '\'' +
            ", major='" + major + '\'' +
            ", nos='" + nos + '\'' +
            '}';
    }

    public String getId() {
        return id;
    }

    public static int getNo() {
        return no;
    }

    public static void setNo(int no) {
        student.no = no;
    }

    public void setId(String id) {
        this.id = id;
    }

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    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

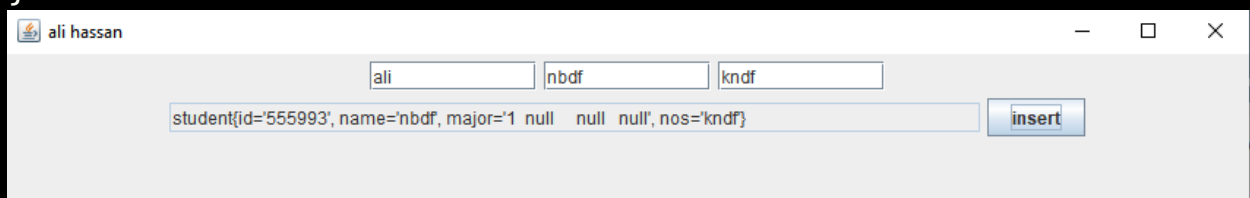
    public String getMajor() {
        return major;
    }

    public String getNos() {
        return nos;
    }

    public void setMajor(String major) {
        this.major = major;
    }

    public void setNos(String nos) {
        this.nos = nos;
    }
}

```



The screenshot shows a Java Swing window titled "ali hassan". Inside the window, there are three text input fields arranged horizontally. The first field contains the text "ali", the second contains "nbdf", and the third contains "kndf". Below these fields is a single-line text area containing the JSON string: `student{id='555993', name='nbdf', major='1 null null null', nos='kndf'}`. To the right of the text area is a button labeled "insert".