

```

package test;

public class test {

    public static void main(String[] args) {
        Student petar = new Student();
        petar.ime = "Petar";
        petar.fakultet = "PMF";
        petar.jaSam();
        petar.studiram();

        Gradjanin komsija = petar; // siri tip = uzi tip
        komsija.jaSam();
        // g.studiram();

        Gradjanin.jaSamStatic(); // Ja sam gradjanin
        Student.jaSamStatic(); // Ja sam student
        komsija.jaSamStatic(); // Ja sam gradjanin
        // warning: The static method
        jaSamStatic() from the type Gradjanin should be accessed in a static way
        petar.jaSamStatic(); // Ja sam student

        Student brucos = (Student)komsija; // uzi tip = (uzi tip) siri tip
        (kastovanje) int i = (int) 12.345;
        brucos.studiram();

        Gradjanin dobrovoljac = new Gradjanin();
        Student diplomac = (Student)dobrovoljac; // run-time greska
        diplomac.studiram();
    }
}

class Gradjanin
{
    public String ime;
    public void jaSam()
    {
        System.out.println("Ja sam gradjanin");
    }
    public static void jaSamStatic()
    {
        System.out.println("Static: Ja sam gradjanin");
    }
}

class Student extends Gradjanin {
    public String fakultet;
    public void jaSam() {
        System.out.println("Ja sam student");
    }
    public static void jaSamStatic()
    {
        System.out.println("Static: Ja sam student");
    }
    public void studiram() {
        System.out.println("Studiram " + fakultet);
    }
}

```