Sakrivanje metoda: primer kada se u izvedenoj klasi nalazi metoda identična onoj u roditeljskoj klasi.

Klasa Person

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Virtual

{

internal class Person

{

private string name;

private int birthYear;

protected static int id = 100;

protected int ID;

public Person(string name, int birthYear)

{

this.name = name;

this.birthYear = birthYear;

ID = id++;

}

/\*

public Person():this("NN", 2003)

{

}

\*/

public Person()

{

name = "NN";

birthYear = 2023;

}

public int BirthYear

{

get

{ return birthYear; }

set { birthYear = value; }

}

public string Name {

get { return name; }

set { name = value; }

}

public override string ToString()

{

return "Ime osobe: " + name + " rodjen/a je: " + birthYear + " godine.";

}

public void Info()

{

Console.WriteLine("Osoba: " + name + " god.rodjena: " + birthYear+" info");

}

}

}

Klasa Student

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Virtual

{

internal class Student : Person

{

private string index;

private int yearOfStudy;

public Student(string index, int yearOfStudy, string name1, int bY) : base(name1, bY)

{

this.index = index;

this.yearOfStudy = yearOfStudy;

// name = name1; ovako ne moze jer je name private u rod.klasi

}

public int YearOfStudy { get; set; }

public string Index { get; set; }

public override string ToString()

{

return "Student: " + Name + " god.rodj: " + BirthYear + " index: " + index + " god.studija: " + yearOfStudy;

}

public new void Info()

{

Console.WriteLine("Index: " + index);

Console.WriteLine("Godina studija: "+yearOfStudy);

}

}

}

Glavni program

namespace Virtual

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Roditeljska klasa");

Person p1= new Person();

p1.Info();

Console.WriteLine(p1.ToString());

Console.WriteLine("Dete klasa:");

Student s1 = new Student("22233", 3, "Petar Petrovic", 2000);

Console.WriteLine(s1.ToString());

Console.WriteLine("Student poziv Info metode:");

s1.Info();

}

}

}