

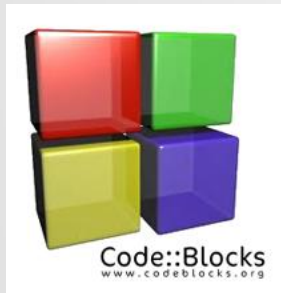
# JAVA – S01

Alin Zamfiroiu

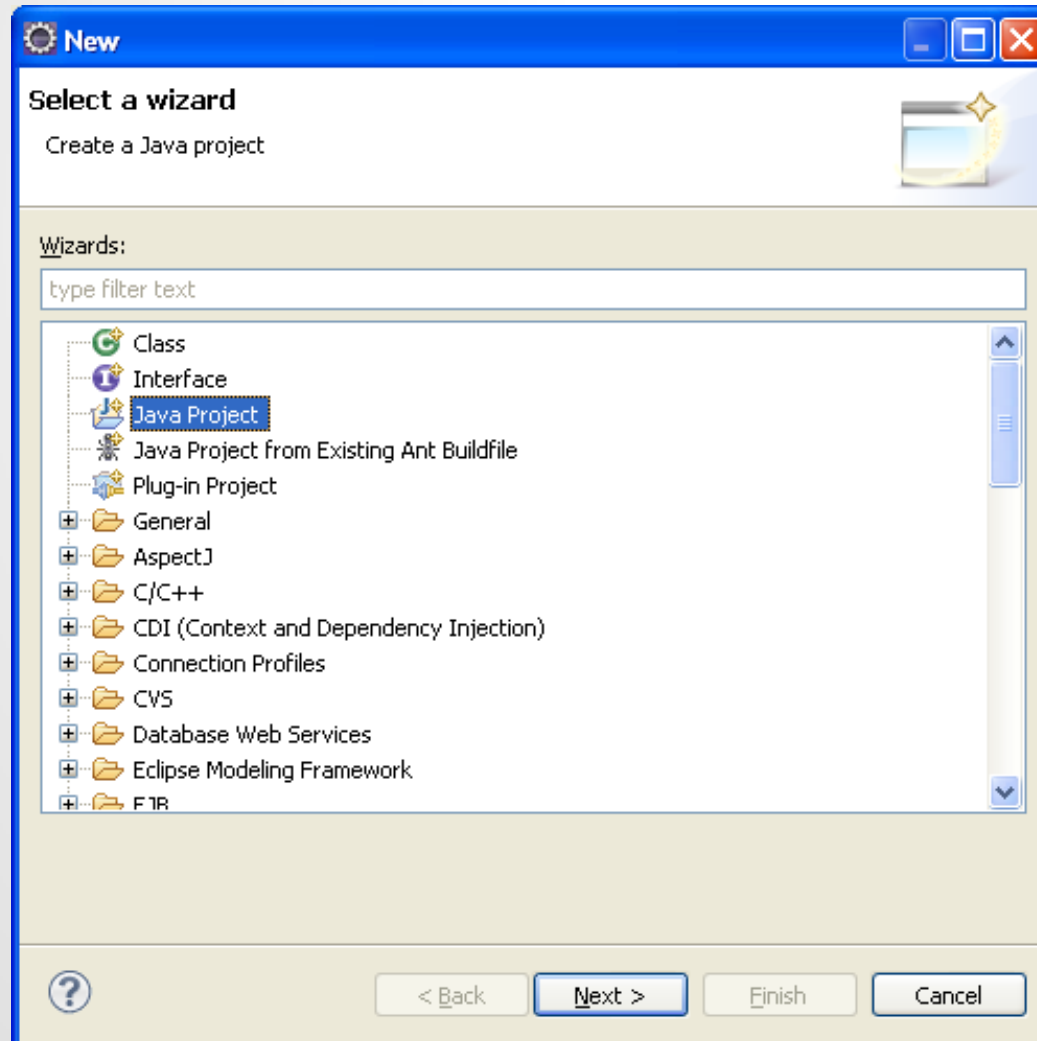
# Consultații

- ▶ În fiecare zi de **marți**:
  - 18:00 – 19:30
- ▶ **Condiție:** Dat mail cel târziu luni seara cu ora la care se ajunge și problema care se dorește a fi discutată.
- ▶ În mail spunem cine suntem;
- ▶ Pe rețele de socializare spunem cine suntem.

# JAVA - S01



# JAVA – S01



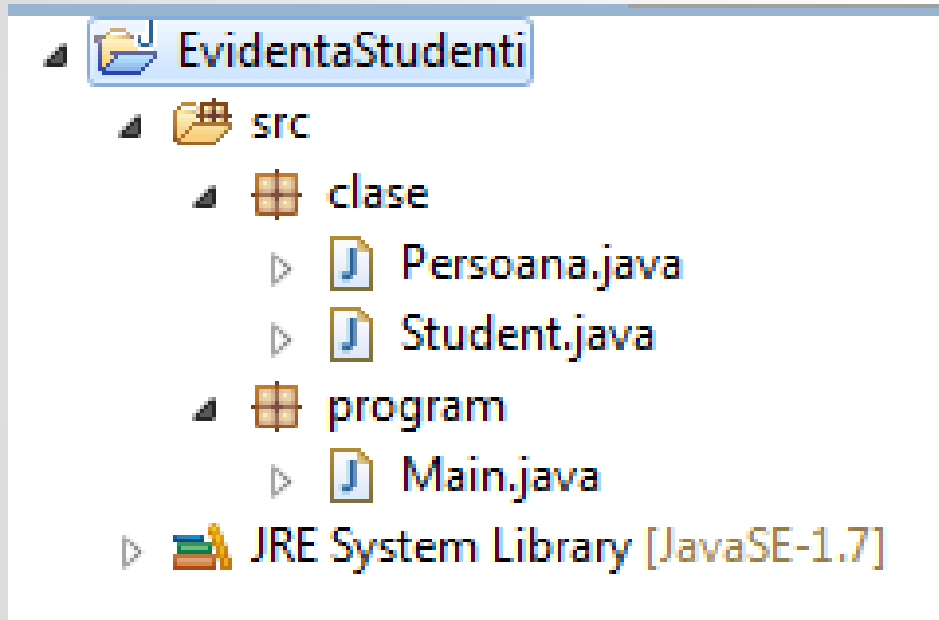
# JAVA - S01

The screenshot displays an IDE interface. On the left, a project tree shows a folder named 'Seminar01' under a parent project. A context menu is open over a sub-element, listing various actions with their keyboard shortcuts. On the right, a 'New' submenu is open, listing several project and code generation options. The 'Package' option is currently selected. The background of the IDE shows the 'JBoss Central' logo.

Action	Shortcut
Open in New Window	
Open Type Hierarchy	F4
Show In	Alt+Shift+W
Copy	Ctrl+C
Copy Qualified Name	
Paste	Ctrl+V
Delete	Delete
Remove from Context	Ctrl+Alt+Shift+Down

Option
Java Project
Spring Roo Project
Spring Template Project
AspectJ Project
Spring Project
Project...
<b>Package</b>
Class
Interface
Enum

# JAVA – S01



- nume;
- prenume;
- varsta
- Persoana();
- toString();

- medie;
- Student();
- toString();

# JAVA – S01

```
Persoana.java X Student.java Main.java
package clase;

public class Persoana {
    protected String nume;
    protected String prenume;
    protected int varsta;

    public Persoana() {
        this.nume = "Popescu";
        this.prenume = "Ion";
        this.varsta = 23;
    }

    public Persoana(String nume, String prenume, int varsta) {
        this.nume = nume;
        this.prenume = prenume;
        this.varsta = varsta;
    }

    public String toString() {
        return nume + " " + prenume + " are " + varsta + " ani.";
    }

    public String NumeComplet() {
        return nume + " " + prenume;
    }
}
```

# JAVA – S01

```
Persoana.java Student.java Main.java
package clase;

public class Student extends Persoana {
    private double medie;

    public double getMedie() {
        return medie;
    }

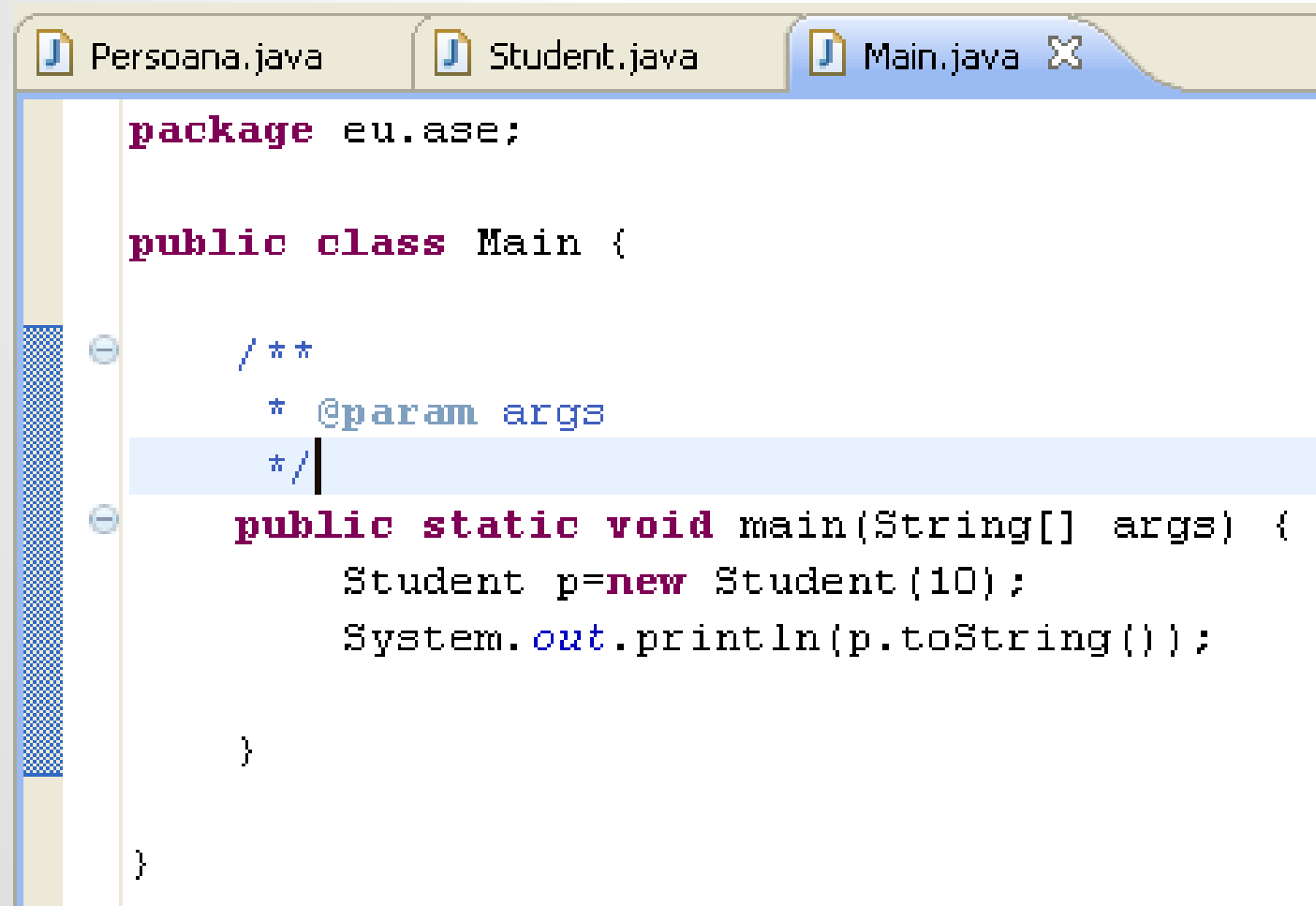
    public void setMedie(double medie) {
        this.medie = medie;
    }

    public Student(double medie) {
        super();
        this.medie = medie;
    }

    public String toString() {
        return nume+" "+prenume+" are "+varsta+" ani si la facultate are media "+medie;
    }
}
```



# JAVA -S01



The image shows a screenshot of an IDE with three tabs: Persoana.java, Student.java, and Main.java. The Main.java tab is active and displays the following code:

```
package eu.ase;

public class Main {

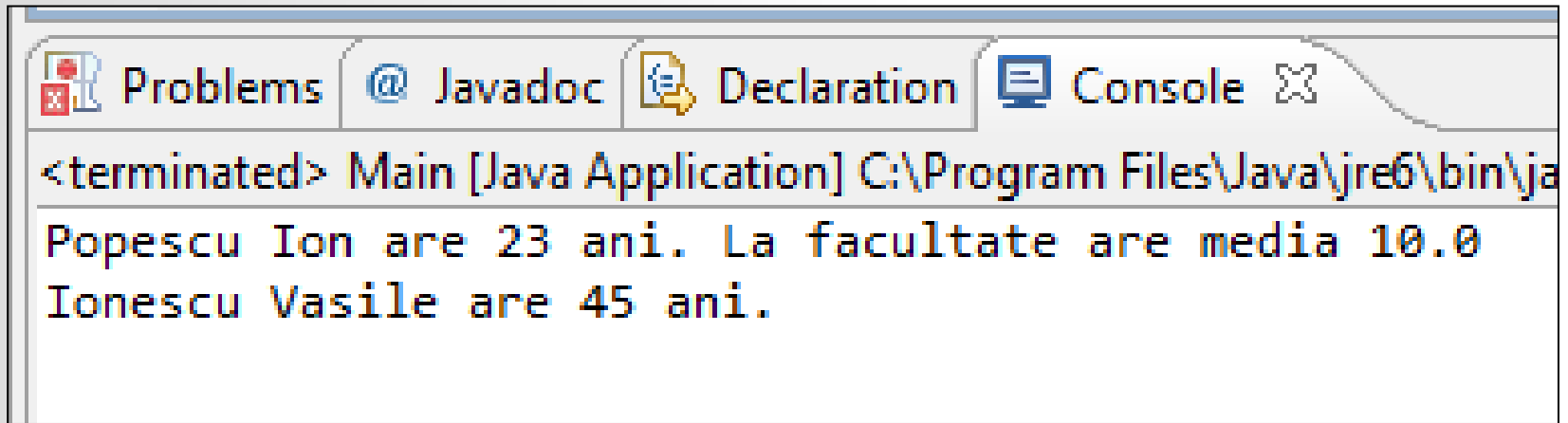
    /**
     * @param args
     */
    public static void main(String[] args) {
        Student p=new Student(10);
        System.out.println(p.toString());
    }
}
```

# JAVA -S01

Sa se creeze interfata IPersoana.

Clasa Persoana sa implementeze interfata IPersoana.

# JAVA – S01



The screenshot shows an IDE window with tabs for Problems, Javadoc, Declaration, and Console. The Console tab is active, displaying the output of a Java application. The output consists of three lines: a terminated status, a header line, and two data lines.

```
<terminated> Main [Java Application] C:\Program Files\Java\jre6\bin\ja
Popescu Ion are 23 ani. La facultate are media 10.0
Ionescu Vasile are 45 ani.
```

```
public static void main(String[] args) {
    IPersoana persoana=new Student(10);
    System.out.println(persoana.toString());
    persoana = new Persoana("Ionescu", "Vasile", 45);
    System.out.println(persoana.toString());
}
```

# JAVA -S01

- ▶ De ce a mers toString(), daca metoda toString nu a fost definita in interfata?

# Why do Java Programmers wear glasses?



**Because they don't C#!**

**-Courtesy of @ProgrammingCom**