**Java-University project 19/10 2ο**

public class Student {

//ιδιότητες

private String name;

private String id;

public Student() {

name = "not defined yet ";

id = "not defined yet";

}

public Student(String aName, String someId) {//αν θελω το ίδιο όνομα

name = aName ; //or this.name =name; αντίστοιχα και στο id

id = someId;

}

//μεθόδοι

public void printInfo();

System.out.println("My name is: "+ name);

System.out.println("My id is: "+id);

}

}

public class Main {

public static void main(String[] args) {

//**TODO** Auto-generated method stub

Student s1 = new Student("Maria","ics23047");

s1.printInfo();

}

}

**Java-University project 25/10 3ο**

|  |
| --- |
| Course |
| * title:String * credits int |
| * printInfo() |

|  |
| --- |
| Student |
| * name:String * id:String |
| * printInfo() |

myCourse

printInfo

Java

5

John

Iis23098

c1

S1

Machine Learning

5

S2

Maria

Ics23047

c2

import java.util.Scanner;

ctrl+shift+o

Main.1

Student s2 = new Student("John");

//Αποστολή μηνύματοσ printInfo στο s1

s1.printInfo();

s2.printInfo();

//Student s3 = new Student();

//s3.printInfo();

// if i write +name i will get an ERROR

System.***out***.println("Student s1 name is: "+s1.getName());

s1.setId("ics21047");

s1.printInfo();

Main.2 δείκτες=αναφορές =reference

int x=5; int int\*

int\* p; 5 FFAS FFAS

p=&x x p

x++;

(\*p)++;

Main

public class Main {

public static void main(String[] args) {

//**TODO** Auto-generated method stub

//Student s1 = new Student("Maria","ics23047");

// s1 = new Student("Maria","ics23047");

Student s1;// not an object its reference

//what is s1?

//the codelines 7-9 seems that can write it in 3 ways

s1 = new Student("John","iis23047");

s1.setId("iis23146");

s1.printInfo();

s1 = new Student("Maria","ics23047");

Student s2;

s2 = s1;

s2.printInfo();

Course c1 = new Course ("Java",5);

Course c2 = new Course ("Machine Learning",5);

s1.printInfo();

s1.setCourse(c2);

c2.setCourse(s1);

s2.setCourse(c1);

c1.setCourse(s2);

}

}

Student

import java.util.Scanner;

public class Student {

//ιδιότητες

private String name;

private String id;

private Course myCourse;

public Student(String aName, String someId) {

name = aName ;

id = someId;

}

public Student(String aName) {

name = aName ;

id = "Not defined yet";

}

public Student() {

Scanner in = new Scanner (System.***in***);

System.***out***.println("Please enter the name:");

String sName = in.nextLine();

System.***out***.println("Please enter the id:");

String sId = in.nextLine();

name = sName;

id = sId;

}

//μεθόδοι

public void printInfo();

System.out.println("My name is: "+ name);

System.out.println("My id is: "+id);

System.out.println("Is enrolled in: ");

if(myCourse != null)

System.out.println(myCourse.getTitle());

else

System.out.println("no course for the moment");

}

public String getName(){

return name;

}

public void setId(String someId) {

id = someId;

}

public void setCourse(Course aCourse) {

myCourse = aCourse;

}

public void setCourse(Course aCourse) {

myCourse = aCourse;

myCourse.setStudent(this);

}

Course

public class Course {

private String title;

private int credits ;

private Student myStudent;

public Course (String aTitle, int someCredits) {

title = aTitle;

credits = someCredits;

}

public void printInfo() {

System.***out***.println("Course title: "+ title);

System.***out***.println("Course credits: "+ credits);

}

public String getTitle() {

return title;

}

public int getCredits() {

return credits;

}

public void setStudent(Student aStudent) {

myStudent = aStudent;

}

}