

// Code

```
public class Student {
    private int id;
    private String name;
    private double gpa;

    @w3epublic Student(int id, String name, double gpa) {
        this.id = id;
        this.name = name;
        this.gpa = gpa;
    }

    public int getId() {
        return id;
    }

    public String getName() {
        return name;
    }

    public double getGpa() {
        return gpa;
    }

    public void setGpa(double gpa) {
        this.gpa = gpa;
    }
}

public class Course {
    private int id;
    private String name;
    private double credits;

    public Course(int id, String name, double credits) {
        this.id = id;
        this.name = name;
        this.credits = credits;
    }

    public int getId() {
        return id;
    }

    public String getName() {
        return name;
    }

    public double getCredits() {
        return credits;
    }
}

public class Enrollment {
    private Student student;
    private Course course;
    private int grade;

    public Enrollment(Student student, Course course, int grade) {
        this.student = student;
        this.course = course;
        this.grade = grade;
    }
}
```

```

    }

    public Student getStudent() {
        return student;
    }

    public Course getCourse() {
        return course;
    }

    public int getGrade() {
        return grade;
    }

    public void setGrade(int grade) {
        this.grade = grade;
    }
}

```

// Class Diagram

```

Student -----
|  id: int      |
|  name: String |
|  gpa: double  |
|-----|
+ Student(int, String, double)
+ getId(): int
+ getName(): String
+ getGpa(): double
+ setGpa(double): void

Course -----
|  id: int      |
|  name: String |
|  credits: double |
|-----|
+ Course(int, String, double)
+ getId(): int
+ getName(): String
+ getCredits(): double

Enrollment -----
|  student: Student |
|  course: Course   |
|  grade: int       |
|-----|
+ Enrollment(Student, Course, int)
+ getStudent(): Student
+ getCourse(): Course
+ getGrade(): int
+ setGrade(int): void

```