



MARMARA
ÜNİVERSİTESİ

Faculty of Engineering

Department of Computer Science & Engineering

Course: CSE3063(Object Oriented Software Design)

Lecturer: Murat Can Ganiz

Course Registration Simulator

Code Changes between first and second iteration

Advisor Class

```
import java.util.Random;

public class Advisor extends Student {
    //Basic attributes of advisors
    private int advisorId;

    private String fName;

    private String lName;

    public int getAdvisorId() {
        return advisorId;
    }

    public void setAdvisorId(int advisorId) {
        this.advisorId = advisorId;
    }
}
```

Iteration 1 Advisor Class

```
import java.util.Random;

public class Advisor extends Person {
    //Basic attributes of advisors
    private int advisorId;

    private List<Student> studentsList = new ArrayList<>();

    public void setName(String fName) { super.setName(fName); }

    public void setLName(String lName) { super.setLName(lName); }

    public void setAdvisorId(int advisorId) {
        this.advisorId = advisorId;
    }
}
```

Iteration 2 Advisor Class

Change: using abstract class person rather than student

```
public void setAdvisorId(int advisorId) {
    this.advisorId = advisorId;
}

public void setName(String fName) { this.fName = fName; }
public void setLName(String lName) { this.lName = lName; }
String getFName() { return fName; }
String getLName() { return lName; }
//This function has a mathematical operation
//it either accepts a course or rejects it and each has a chance
//explained below
```

Iteration 1 Advisor Class

```
public void setAdvisorId(int advisorId) {
    this.advisorId = advisorId;
}

//This function has a mathematical operation
//it either accepts a course or rejects it and each has a chance
//explained below
public void advisorControl(List<String> chosenClasses, Student student){

    Random random = new Random();
    String[] stringArray = new String[3];
    //We have 3 reasons for rejection so we put them here.
    stringArray[0]="Rejected because quota is full";
    stringArray[1]="Rejected because the timing is not appropriate";
    stringArray[2]="Rejected because student must take some lessons";
}
```

Iteration 2 Advisor Class

Change: removed some getters and setters

Other changes:

- Renamed Randomizer class to CalculateAvailables
- Added Input.java
- Added abstract Person class