

```
package ch.ne.ceg.infoplus.spike.java.core.model;
```

```
import java.text.SimpleDateFormat;
```

```
import java.util.Date;
```

```
import java.util.List;
```

Package et Import

```
/**
 * Classe used to manage students.
 * @author droselli
 * @version 1.0
 */
```

Class

```
public class Student extends Object implements Serializable {
```

```
/**
 * The firstname of the student.
 */
```

```
private String fristname;
```

```
/**
 * The lasname of the student.
 */
```

```
private String lastname;
```

```
/**
 * The birthday of the student.
 */
```

```
private Date birthday;
```

```
/**
 * The Sclass of student
 */
```

```
private ScClass scClass;
```

Propriété

```
/**
 * Constructor.
 */
```

```
public Student() {
    super();
}
```

Constructor

```
/**
 * Constructor.
 *
 * @param aFristname Le prénom
 * @param aLastname Le nom de famille
 * @param aBirthday La date de naissance
 */
```

```
public Student(String aFristname, String aLastname, Date aBirthday) {
    super();
    fristname = aFristname;
    lastname = aLastname;
    birthday = aBirthday;
}
```

```

/**
 * @return the fristname
 */
public String getFristname() {
return fristname;
}

/**
 * @param aFristname
 *         the fristname to set
 */
public void setFristname(String aFristname) {
fristname = aFristname;
}

```

...

Accessories

```

/**
 * @return the scClass
 */
public ScClass getScClass() {
return scClass;
}

/**
 * @param aScClass
 *         the scClass to set
 */
public void setScClass(ScClass aScClass) {
scClass = aScClass;
}

```

```

/**
 * Compute the grade of the student.
 *
 * @param aYear Year of the birthday of the student.
 * @return The grade of the ScClass
 * @throws Exception Throw Exception if invalide year.
 */
public static int computeGrade(int aYear) throws Exception {
if (aYear < 1992)
throw new Exception();
if (aYear > 2000)
throw new Exception();
return 2001 - aYear;
}

```

```

/**
 * Print the entire list to console.
 *
 * @param aStudents
 *         The list of students.
 */
public static void printSchool(List<Student> aStudents) {
...
}

}

```

Function/Metod