

# Globant University Model

## view

### Menu

+ main(String[]) : void

University object = new University()

## utils

Auxiliar class to initialize data

### Init

+ initTeacher(): List<Teacher>  
+ initStudent(): List <Student>  
+ initCourse(List<Student>, List <Teacher>): List<Course>

## controller

### University

+ arrayTeacher: List<Teacher>  
+ arrayStudent: List <Student>  
+ arrayCourse: List<Course>

+ printTeachers(): void  
+ printStudents(): void  
+ printCourses(): void  
+ printCoursesByStudent()  
+ printCoursesByTeacher()  
+ createStudents(): String  
+ createTeacher(): String  
+ createCourse(): String

## model

### Student

+ studentName: String  
+ personalId: int  
+ studentCode: int  
+ age: int

+ printStudentsList():void  
+ printStudent():void

### Course

+ courseName: String  
+ courseCode: int  
+ classroom: int

+ printAssignedTeacher():void  
+ printAssignedStudent():void  
+ printCourseInformation():void  
+ addStudenToCourse(List<Student>):void  
+ addStudentToCourse(Student):void

### Teacher

+ teacherName: String  
+ personalId: int  
+ teacherCode: int  
+ agreementType: String  
+ baseSalary: double  
+ experience Years: int  
+ activeHours: int

+ calculateTeacherSalary():double  
+ printTeachersList():void  
+ printTeacher():void

### FullTimeTeacher

+ calculateTeacherSalary():double

### FullPartTeacher

+ calculateTeacherSalary():double

arrayStudents

arrayCourses

arrayTeachers

arrayStudents

teacher

implements

implements