Objective:
- To demonstrate how to define classes and objects
- To design a **Course** class and implement all its methods

Tasks: Implement the **Course** class as follows:

Course
- courseName : String - students : String[ ] - numberOfStudents : int
+ Course(courseName : String) + getCourseName() : String + addStudent(student : String) : void + dropStudent(student : String) : void + getStudents() : String[ ] + getNumberOfStudents : int + clear() : void

- The program I demonstrated using the **Course** class, was having a fixed size of an array. Now, revise the program so that it automatically increases the array size by creating a new larger array and copying the contents of the current array to it.
- Implement the **dropStudent()** method.
- Add a new method named **clear()** that removes all students from the course.

Now write a test program that creates a course, adds three students, removes one, and displays the students in the course.