

## General Introduction

The task involves creating a system to manage an organization called "School," which maintains a list of teachers. The `School` class needs to implement the `LegalEntity` interface provided in the package `finalexam.task4`. Additionally, the `School` class should include methods for managing the list of teachers and handling file input/output operations.

### Class Descriptions

#### 1. LegalEntity Interface

**Package:** `finalexam.task4`

**Functionality and Goal:** The `LegalEntity` interface defines two methods: `getAddress()` and `getVatNumber()`. Any class implementing this interface must provide concrete implementations for these methods. The goal of this interface is to standardize the way address and VAT number information is retrieved from legal entities.

#### 2. Teacher Class

**Package:** `finalexam.task4`

**Functionality and Goal:** The `Teacher` class represents a teacher with attributes for name, surname, and employee ID. It implements the `Serializable` interface to allow instances to be serialized and deserialized, which is useful for file I/O operations.

#### 3. School Class

**Package:** `finalexam.task4`

**Functionality and Goal:** The `School` class implements the `LegalEntity` interface and provides methods to manage a list of teachers (`staff`). It includes methods to add, delete, save, and load teachers from a file. This class centralizes the management of teacher data and ensures it can be persisted and retrieved as needed.

#### 4. FactoryTester Class

**Package:** `finalexam.task4`

**Functionality and Goal:** The `FactoryTester` class is a simple test class to demonstrate the usage of the `School` class. It adds teachers to the school, saves the list to a file, clears the list, and then reloads the list from the file, displaying the results at each step.