Application Demo

Consider the following tables:

person:

id: int auto increment

name: varchar

address: varchar

email: varchar unique

dob: date

employee:

salary : int

designation: String

empId: int (foreign key refers person table id filed)

student:

currentUnit: String

studentCode: int (foreign key refers person table id field)

courseId: int (foreign key refers Course table courseid field)

course:

courseid: int primary key auto generated

coursename: varchar

fee: int

Create the following Entities classes to map the above tables:

Person: abstract class:

private int id;
private String name;
private String address;
private String email;
private LocalDate dob;

Course class:

private int courseid;
private String coursename;
private int fee;

Employee class:

private int salary;
private Designation degisnation;

Student class:

private CourseUnit currentUnit;

Designation : ENUM

MANAGER,CLERK,HR,ENGINEER

CourseUnit: ENUM

UNIT1, UNIT2,UNIT3, UNIT4,UNIT5, UNIT6

Implement the following **MasaiDao** interface :

```
public interface MasaiDao {

  public Course addNewCourse(Course course);

  public Employee addNewEmployee(Employee emp);

  public List<Course> getAllCourse();

  public List<Student> getAllStudentsByCourseName(String cname);

  public List<Employee> getAllEmployeeDetails();

  public Student enrollStudentInCourse(String courseName, Student student);

  public List<Employee> getEmployeeByDesignation(Designation designation);

  public Student getStudentByStudentCode(int studentcode);

  public Employee getEmployeeByEmpId(int empid);

}
```