Simple University Management System

Create a simple system for managing a university that includes the following classes:

1. ### Abstract Class: Person

   Represents any person in the university (a student or a professor).

   #### Attributes:

   - name
   - age
   - email

   #### Methods:

   - info_display() → prints the person's information.

2. ### Class: Student (inherits from Person)

   Represents a student in the university.

   #### Additional Attributes:

   - student_id
   - major
   - gpa

   #### Methods:

   - info_display() → uses super() to print the person's information, then prints the student's details.

   Encapsulation: Make gpa a private attribute (__gpa) with **getter** and **setter** methods to access and modify it.

3. Class: Professor (inherits from Person)

Represents professors in the university.

Additional Attributes:

- department
- salary

Encapsulation: Make salary private (__salary) with **getter** and **setter** methods.

4. Class: University

Represents the university itself, containing lists of students and professors.

Attributes:

- name
- students (a list)
- professors (a list)

Methods:

- add_student(student)
- add_professor(professor)
- show_all_people() → prints information about all people in the university.