

1)

Library

library-name : String
books : ArrayList<Book>

addBook (Book) void

RemoveBook (Book) void

Show void () void



Books

title : String

author : String

Get details void

2) Bank

bankName: String
branch: String
openAccount() void

Customer

custid: int
AccNo: int
Ifsc: String
name: String
Balance: double
ViewBalance() void

3)

Company

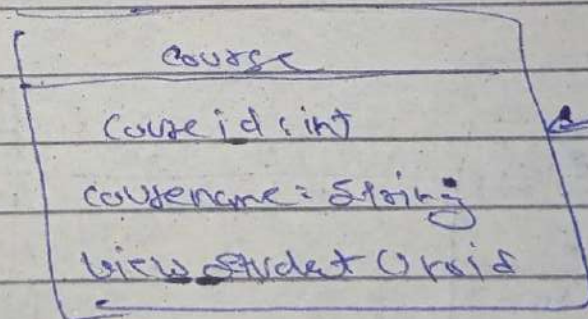
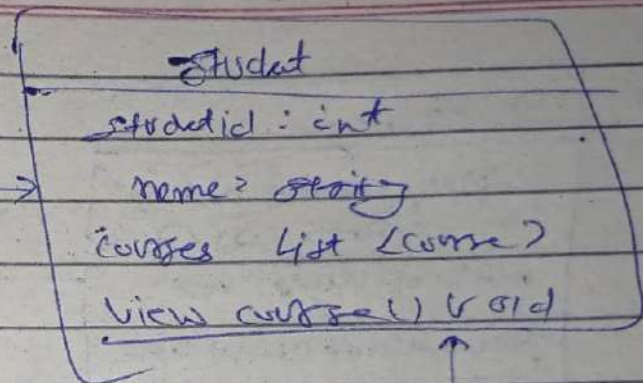
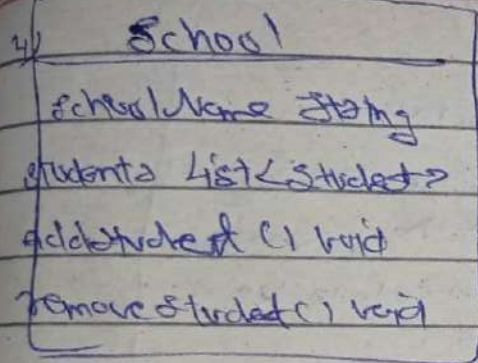
Company name : String
departments list < Department >
add Department void()

Department

deptName - String
Employee - List < employee >
add Employee() void
remove Employee() void

Employee
emp-id : int
empName : String
role : String
Salary : double
PostDetails() void





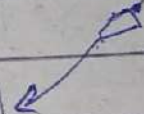
5) University

University Name: String
departments: List<Department>
faculty: List<Faculty>
addDept() void
addFaculty() void



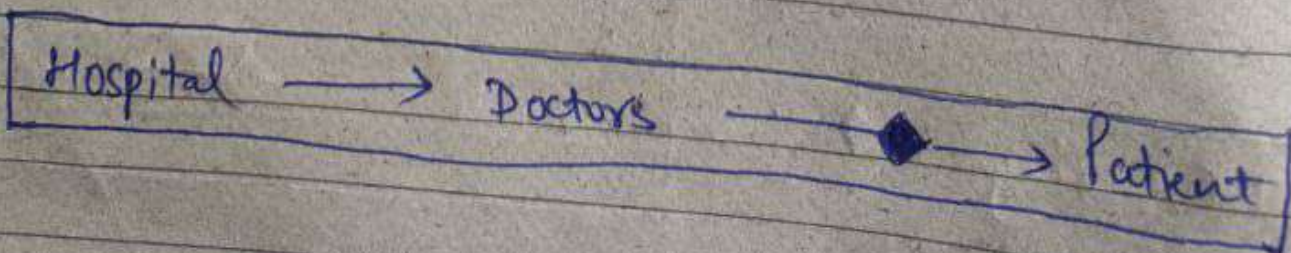
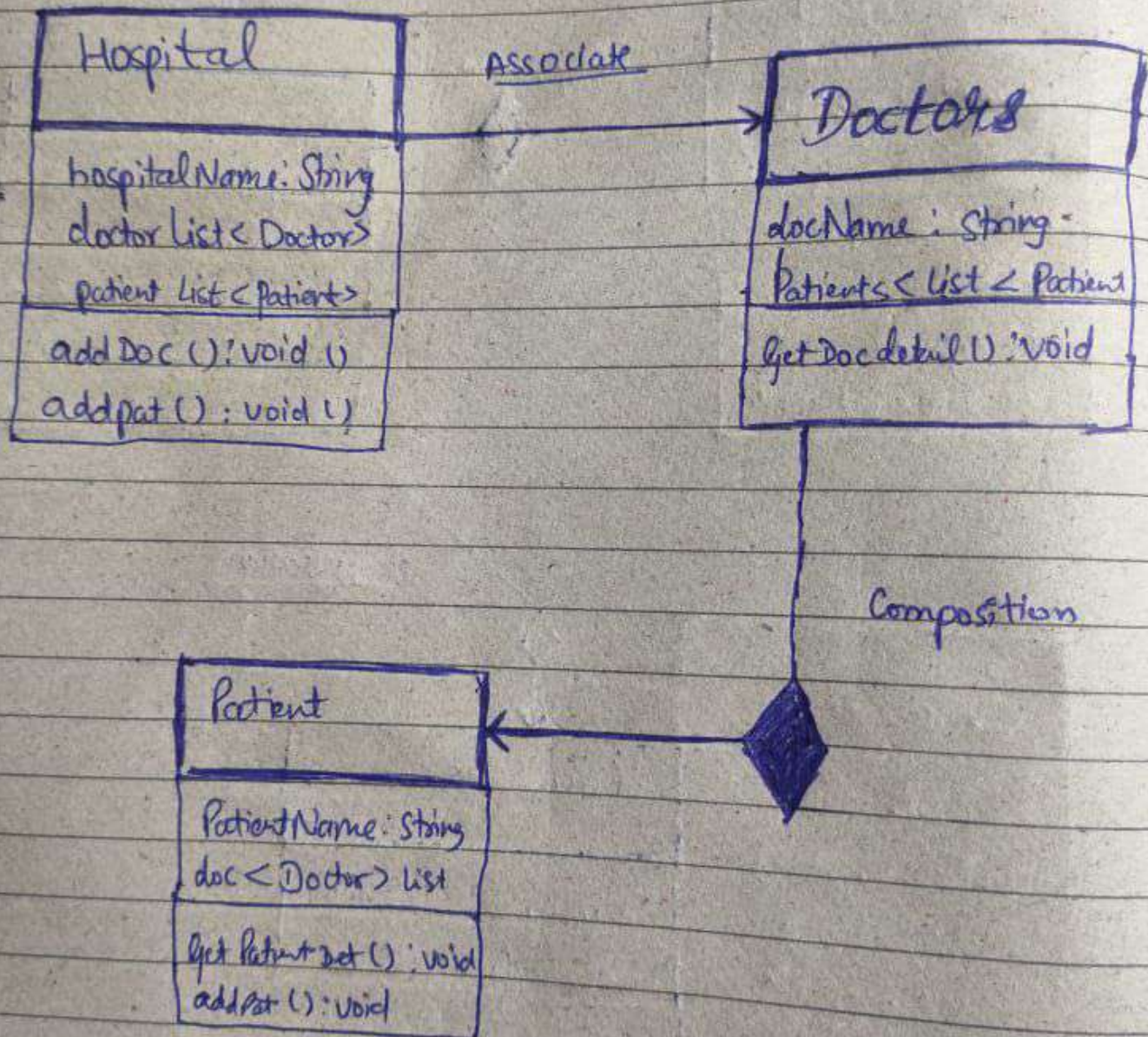
Department

deptName: String
faculties: List<Faculty>
addFaculty() void
removeFaculty() void

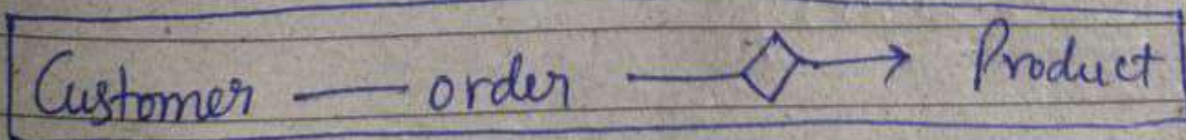
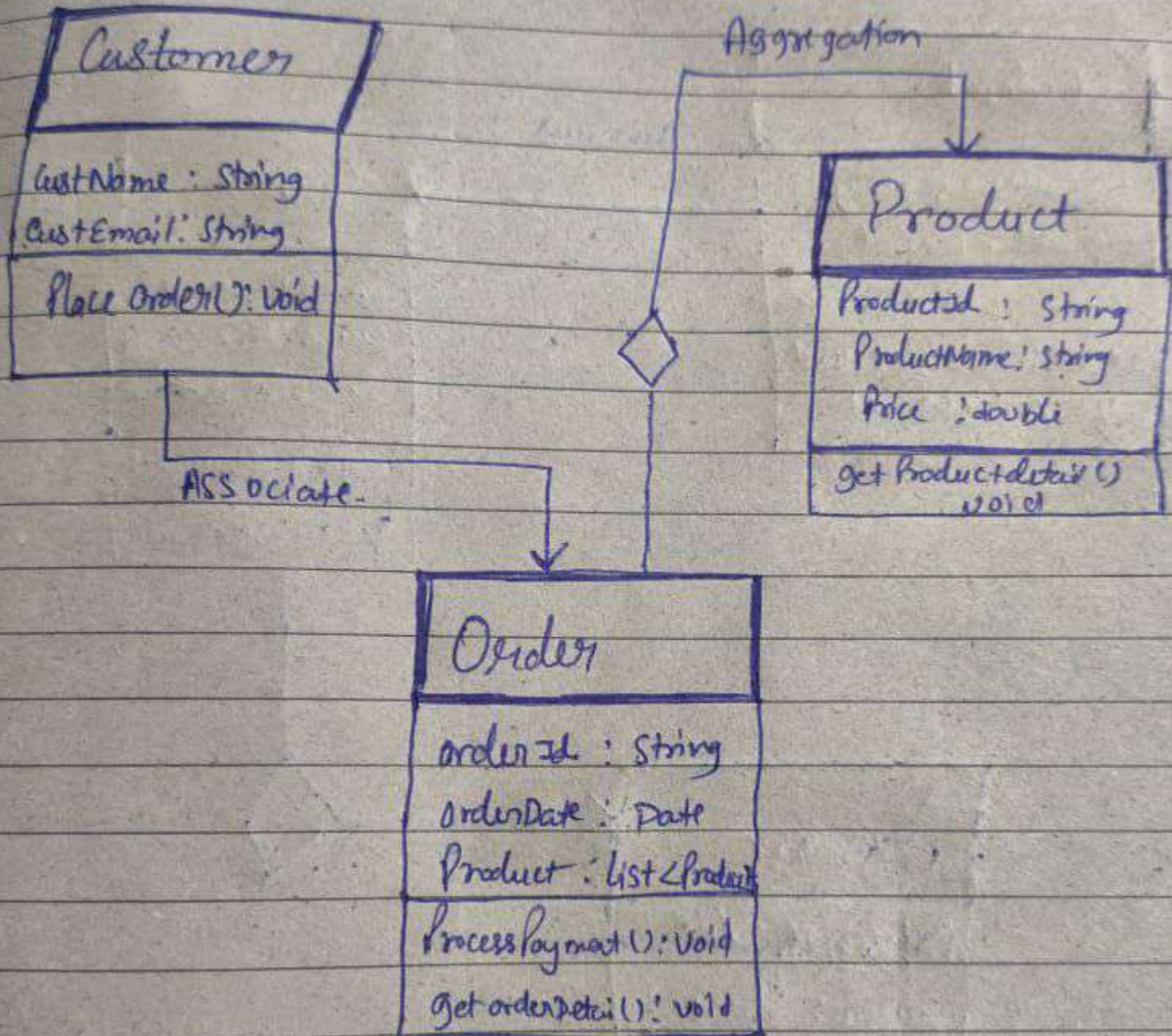


Faculty

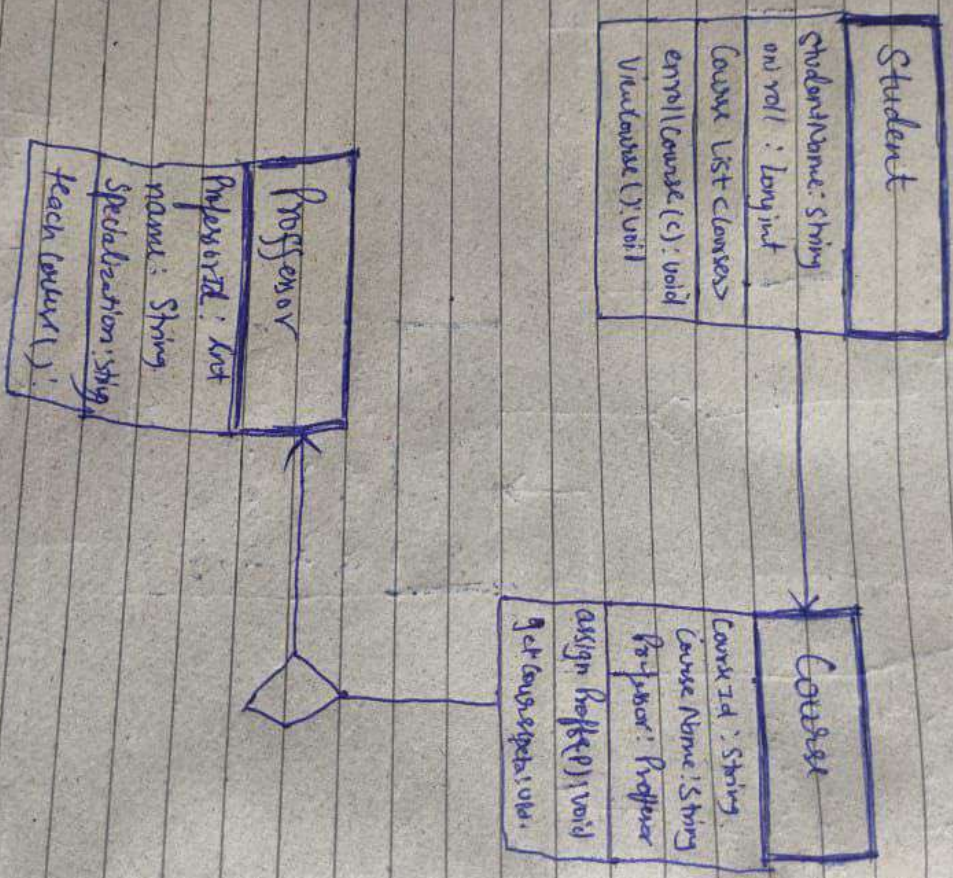
Faculty Name: String
Salary: int
FacultyDetails() void

Problem - 6Association & Communication

Problems 7



Problem - 8



Student → Course → Professor