

## Software Laboratory - IV

### Problem Statement: Employee management

#### Part - I

Many **employees** are working in a **Company**. As per rule these employees **cannot work for any other company** while in the job. An employee can be **a worker, a supervisor or a manager** (Other roles are not covered for simplicity). Company maintains record for each employee. Each employee record has a unique **employee Id, name** (title + first name + middle name + last name) and an **address**. Address consists of a house number, road, ward no and pin code. Employee record is maintained even for those **employees who have left the service** (for retirement benefits).

Each employee gets a monthly salary. The worker will get the salary as basic pay and additional daily allowance (based on **attendance**), the supervisor gets a basic pay and supervision allowance and manager gets a basic pay, a grade pay as 50 percent of basic pay and 30 percent of basic pay as travel allowance. Each employee marks her daily attendance in an **attendance register**. Employee is paid her salary proportional to her attendance.

On 1<sup>st</sup> of every month the **Accounts department** of the company computes the salary of all the employees for previous month. For calculating the salary, Accounts department gets the attendance details (total no of days for which each employee is present in a month) from the attendance register. The Accounts department transfers salary through **Bank Money Transfer (BMT)** facility of **Bank** and generates a consolidated statement of salary as employeeid, employee name, employee bank account, and the amount deposited in that account.

Actors -

Functionality - \_\_\_\_\_

Constraints -

Classes -

Interface -