NSBT Hibernate Day 1 Assignment

1. Create an entity Customer according to the given class diagram:

Customer

- customerId: int

- customerName: String - dateOfBirth: LocalDate - monthlyIncome: double - profession: String - designation: String - companyName: String

Write a hibernate program to perform the below:

- a. DML (insert, update, delete) operations of Customer entity in database.
- b. Print details of one customer by giving the customer Id.
- c. Print List of all Customers
- d. Print list of all customers who have the same designation and who belong to same company.
- 2. Write code to demonstrate concept of Object States using the above-mentioned table and entity using the above-mentioned Entity Customer.
- 3. Create a Hibernate application to perform CRUD operations on the given entity.

LoanAgreement

- loanAgreementId: int
- IoanProduct: LoanProduct
- loanAmount: double
- tenure: int
- roi: double
- IoanStatus: enum
- emiPerMonth: double
- IoanDisbursalDate: LocalDate
- repaymentFrequency: int
- + calculateEMI() : void
- + generateRepaymentSchedule(): void
- + calculateLatePenalty(currentDate): double
- + calculateLoanToValueRatio(): double