**Important Instructions:**

* **At the end of assignment, you will able to implement Jdbc and Hibernate in Spring.**
* **Your code will be graded both on correctness and efficiency.**
* **Use comments in your code that explains your assumptions and design decisions.**
* **You need to submit your assignment solution by end of the day.**
* **Before submitting your assignment makes sure it as per the given requirement.**
* **You need to submit your assignment on mercury on the respective folder.**
* **Your folder name will be your employeeId\_Day\_Assignment. (E.G 105678\_Day1\_Assignment).**

**Q1.**  **Make a Spring Application as per the below given specification:**

i) Create a package com.model inside this package declare two classes

Employee class having following properties

eid int

name String

salary float And

Address class having following properties

city String

state String

ii) Inside both class generate setter and getter method and override toString() method to display information.

iii) Create another package com.core.collection inside this package declare a class EmployeeBean having following properties

private Map<Object, Object> maps;

iv) Generate setter and getter method and override toString() method to display map object information.

v) Inside **spring.xml** file declare bean of Employee and Address class and pass as a reference inside the Bean of EmployeeBean class use Map collection.

vi) Declare a class MainApp having main method and bootstrap the Spring application using

ApplicationContext and display Employee and Address object information using

EmployeeBean Object .

**Q2.**  **Make a Spring Application as per the below given specification:**

i) Design a class Customer having following properties

cId int

name String

int age

pamount int

ii) Generate setter and getter methods.

iii) Declare a class CustomerDAO using this class perform below database operations using using **JDBC .**

* **Insert customer**
* **Update customer**
* **Display all customer**
* **Display customer based on customer id only**
* **Display customer whose purchase amount is greater than 50000**
* **Display customer whose age is between 30 to 50 .**
* **Delete customer using customer id.**

**iv) Declare a class MainApp having main method and bootstrap the Spring application using ApplicationContext**

**Q3.**  **Make a Spring Application as per the below given specification:**

i) Design a class Customer having following properties

cId int

name String

int age

ii) Generate setter and getter methods.

iii) Declare a class CustomerDAO using this class perform all the CURD operations on database

using **Spring JdbcTemplate class.**

**iv) Declare a class MainApp having main method and bootstrap the Spring application using ApplicationContext**

**Q4.**  **Make a Spring Application as per the below given specification:**

i) Design a class Person having following properties

pId int

name String

gender String

int age

ii) Generate setter and getter methods.

iii) Declare a class PersonDao using this class perform all the CURD operations on database using **Spring HibernateTemplate class** .

**iv) Declare a class MainApp having main method and bootstrap the Spring application using ApplicationContext.**