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Section/Group: 22MCD-1 (A) **Semester: 2nd**
Branch: MCA-CC &DevOps **Date of Submission: 11-05-2023**
Subject: Advanced Internet Programming Lab **Subject Code: 22CAP-686**

Experiment No. 7

Write the simple program in Hibernate.

1. **Aim/Overview of the practical:**
   Create one simple program in Hibernate.

   Task to be done:
   Create one simple program in Hibernate.

2. **Algorithm/ Flowchart:**
   Step 1: Create one java application with name Exp1.
   Step 2: Now right click on **source package>>new>>others** and then select hibernate and select hibernate configuration wizard and select database and click on finish.
   Step 3: Right click on default **package>>new>>others** and then select hibernate and select hibernate reverse engineering wizard. Then select available table employee and click on add.
   Step 4: Right click on source **package>>new>>java package** (with name POJO).
   Step 5: Now right click on **POJO>>new>>other** and then click on hibernate and select hibernate mapping files and POJO's from database.
   Step 6: Create one more package with name connection. right click on **connection>>new>>other** and then click on hibernate and select HibernateUtil.java.
   Step 7: And now create one file and write simple code to insert data.

3. **Code for experiment/practical:**
   Hibernate mapping files class (Employee class):

```
package POJO;
public class Employee  implements java.io.Serializable {


    private int empId;
    private String empName;
    private Integer empSalary;

   public Employee() {
```

```
    }


    public Employee(int empId) {
        this.empId = empId;
    }
    public Employee(int empId, String empName, Integer empSalary) {
       this.empId = empId;
       this.empName = empName;
       this.empSalary = empSalary;
    }

    public int getEmpId() {
        return this.empId;
    }

    public void setEmpId(int empId) {
        this.empId = empId;
    }
    public String getEmpName() {
        return this.empName;
    }

    public void setEmpName(String empName) {
        this.empName = empName;
    }
    public Integer getEmpSalary() {
        return this.empSalary;
    }

    public void setEmpSalary(Integer empSalary) {
        this.empSalary = empSalary;
    }
}
```

EmployeeDB:

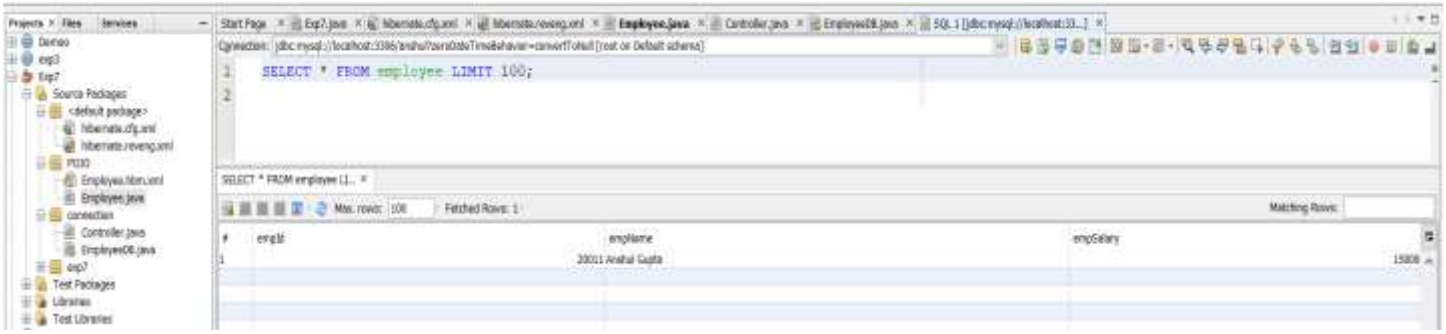
```
package connection;

import POJO.Employee;
import org.hibernate.Session;
import org.hibernate.Transaction;

/**
 *
 * @author Anshul
 */
public class EmployeeDB {
    static Session session=null;
    public static void insert(Employee e){
        session=Controller.getSessionFactory().openSession();
        Transaction tx=session.beginTransaction();
        session.save(e);
```

```
        tx.commit();
    }
    public static void main(String[] args){
        Employee E1=new Employee(20011,"Anshul Gupta",15000);
        insert(E1);
    }
}
```

4. Result/Output/Writing Summary:



Learning outcomes:

1. Learn to implement Hibernate in Netbeans.
2. Learn to insert record using Hibernate.