**PRACTICAL SUBMISSION RECORD- A.Y. 2024-25**

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| **Class: FYMCA Div: A**  **Semester: II** | **Course Code:**  MCA01554  **Course Name: Java Programming Laboratory** | | **Batch:**  **F1** |
| **Name: Anurag Dalal** | | **Roll No: 51009** | |
| **CO No: CO515.5** | | **Assignment No: 17** | |

**Title: Write HQL for executing fundamental queries (CRUD).**

**Code :**

**1]Dependency:**

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.opration</groupId>

<artifactId>productcrudapp</artifactId>

<packaging>war</packaging>

<version>0.0.1-SNAPSHOT</version>

<name>productcrudapp Maven Webapp</name>

<url>http://maven.apache.org</url>

<dependencies>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.2.4.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/jstl/jstl -->

<dependency>

<groupId>jstl</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.springframework/spring-orm -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-orm</artifactId>

<version>5.2.3.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-core -->

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.4.2.Final</version>

</dependency>

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>8.0.32</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<finalName>productcrudapp</finalName>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-war-plugin</artifactId>

<version>3.3.1</version>

</plugin>

</plugins>

</build>

</project>

**2] xml file :**

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name=*"connection.driver\_class"*>com.mysql.cj.jdbc.Driver</property>

<property name=*"connection.url"*>jdbc:mysql://localhost:3306/hibernate\_db</property>

<property name=*"connection.username"*>root</property>

<property name=*"connection.password"*>deepanjali</property>

<property name=*"hbm2ddl.auto"*>update</property>

<property name=*"show\_sql"*>true</property>

<mapping class =*"in.entities.User"*/>

</session-factory>

</hibernate-configuration>

**3] User Code :**

package in.entities;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

*@Entity*

*@Table*

public class User {

*@Id*

*@GeneratedValue*(strategy=*GenerationType*.*IDENTITY*)

*@Column*

private int id;

*@Column*

private String name;

*@Column*

private String email;

*@Column*

private String password;

*@Column*

private String gender;

*@Column*

private String city;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public String getGender() {

return gender;

}

public void setGender(String gender) {

this.gender = gender;

}

public String getCity() {

return city;

}

public void setCity(String city) {

this.city = city;

}

}

**4] Main Code :**

package com.operation.ClgAssignment16;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.cfg.Configuration;

import in.entities.User;

public class App

{

public static void main( String[] args )

{

User user1=new User(); user1.setId(1);

user1.setName("Dee");

user1.setEmail("dee@gmail.com");

user1.setGender("Female");

user1.setCity("Pune");

User user2=new User(); user2.setId(2);

user2.setName("kom");

user2.setEmail("kom@gmail.com");

user2.setGender("Female");

user2.setCity("Pune");

Configuration cfg = new Configuration();

cfg.configure("/in/config/hibernate.cfg.xml");

SessionFactory sessionFactory=cfg.buildSessionFactory();

Session session=sessionFactory.openSession();

Transaction transaction=session.beginTransaction();

try

{

session.save(user1);

session.save(user2);

transaction.commit();

}

catch (Exception e)

{

transaction.rollback();

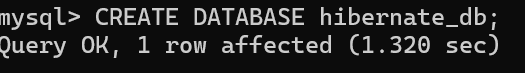
e.printStackTrace();

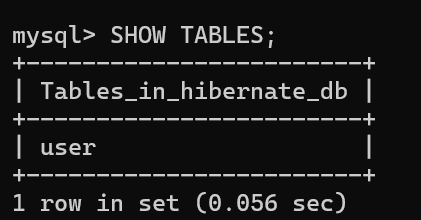
}

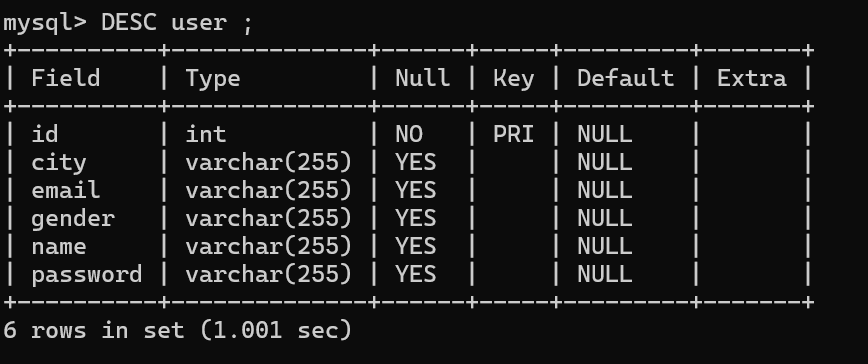
}

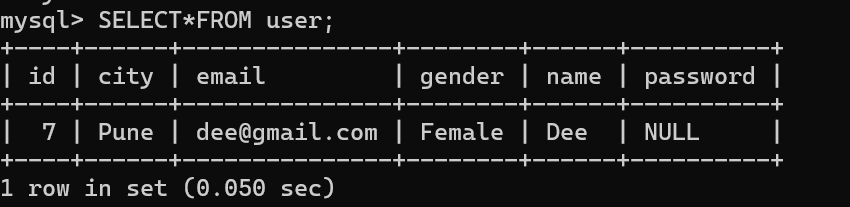
}

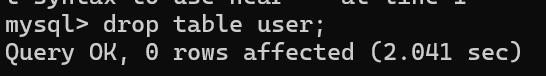
**Output :**

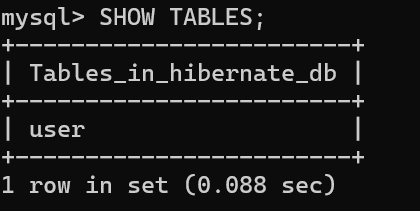
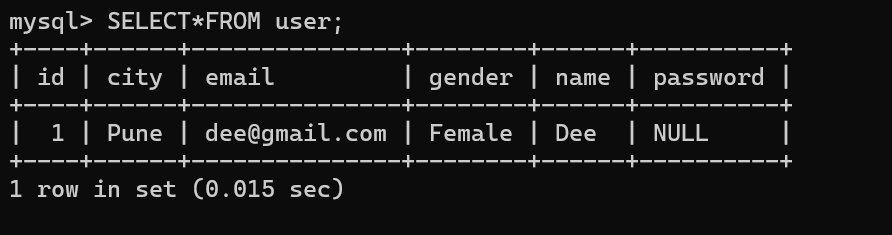
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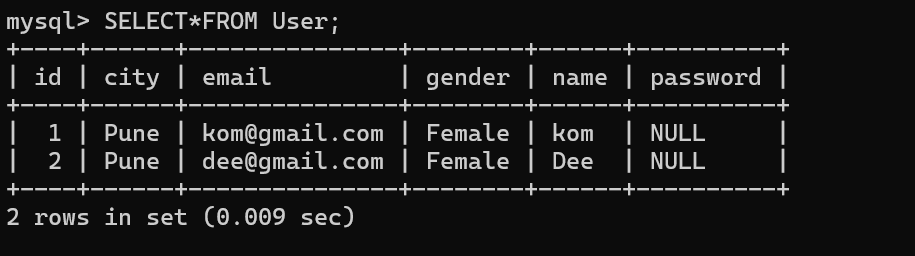
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