Hibernate

LAB ASSESSMENT 09

NAME : NAGESH V

01.Create an hibernate application to insert record to the table.

a. use hibernate.cf.xml configuration.

b. In the entity class use anotation to map the entity.

Program:

First package com.hibernate.employee

CreateEmployee.java

```
package com.hibernate.employee;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import
com.hibernate.employee.dto.Employee;

import
com.hibernate.employee.utility.HibernateUtil;
```

```
public class CreateEmployee {
public static void main(String[] args) {
Employee s = new Employee();
s.setempName("Preethi");
SessionFactory sf =
HibernateUtil.connection();
Session ses = sf.openSession();
ses.beginTransaction();
ses.save(s);
System.out.println("Insert Record Success");
ses.close();
sf.close();
    }
}
```

second package com.hibernate.employee.dto

enitity class Employee

```
package com.hibernate.employee.dto;
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 (name="emp1")
public class Employee {
@Id
@Column(name="e_id")
@GeneratedValue(strategy=GenerationType.I
DENTITY)
private int id;
```

```
@Column(name="e_name")
private String empName;
public int getId() {
return id;
}
public void setId(int id) {
this.id = id;
}
public String getempName() {
return empName;
}
public void setempName(String empName) {
this.empName = empName;
}
}
```

third package
com.hibernate.employee.utility

```
package com.hibernate.employee.utility;

import org.hibernate.SessionFactory;

import org.hibernate.cfg.Configuration;


public class HibernateUtil {

private static SessionFactory sessionfactory;

static

{

sessionfactory = new
Configuration().configure().buildSessionFacto
ry();

}

public static SessionFactory connection()

{
```

```
return sessionfactory;
}
}
```

xml file

hibernate.cfg.xml

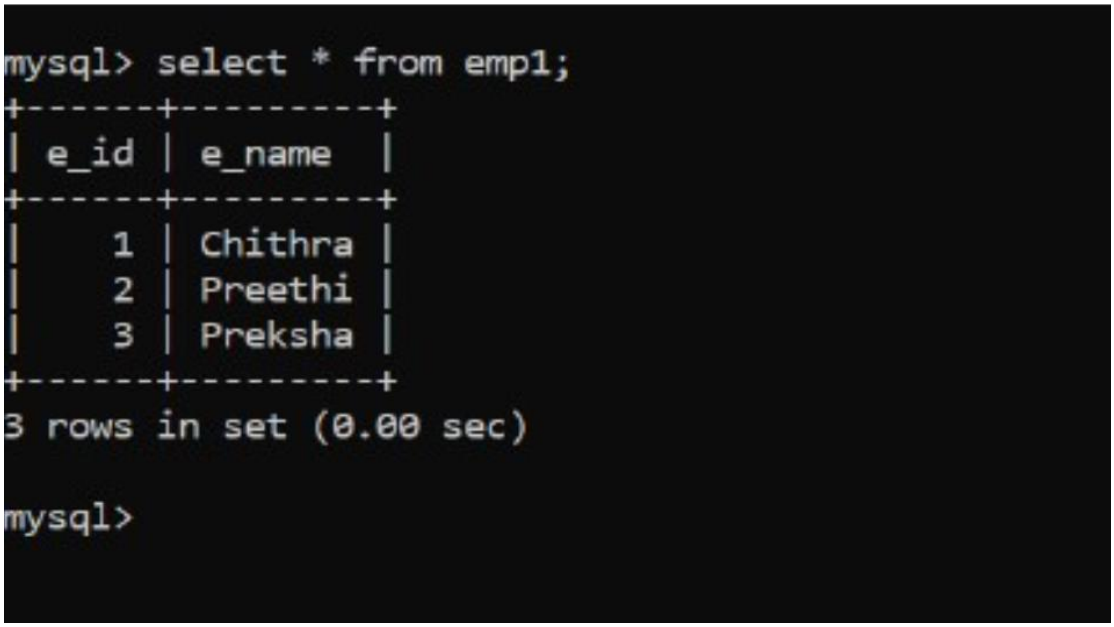
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration
PUBLIC "-//Hibernate/Hibernate
Configuration
DTD//EN"
"http://www.hibernate.org/dtd/hibernate-
configuration-3.0.dtd">
<hibernate-configuration>
<session-factory>
```

```
<property
name="connection.url">jdbc:mysql://localhost
:3307/emplab</property>

<property
name="connection.driver_class">com.mysql.c
j.jdbc.Driver</property>

<property
name="dialect">org.hibernate.dialect.MySQL
5Dialect</property>

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

<property
name="connection.password">Chithra@1968
</property>

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

<property name="show_sql">true</property>
```

<mapping class="com.hibernate.employee.dto.Employee"/>

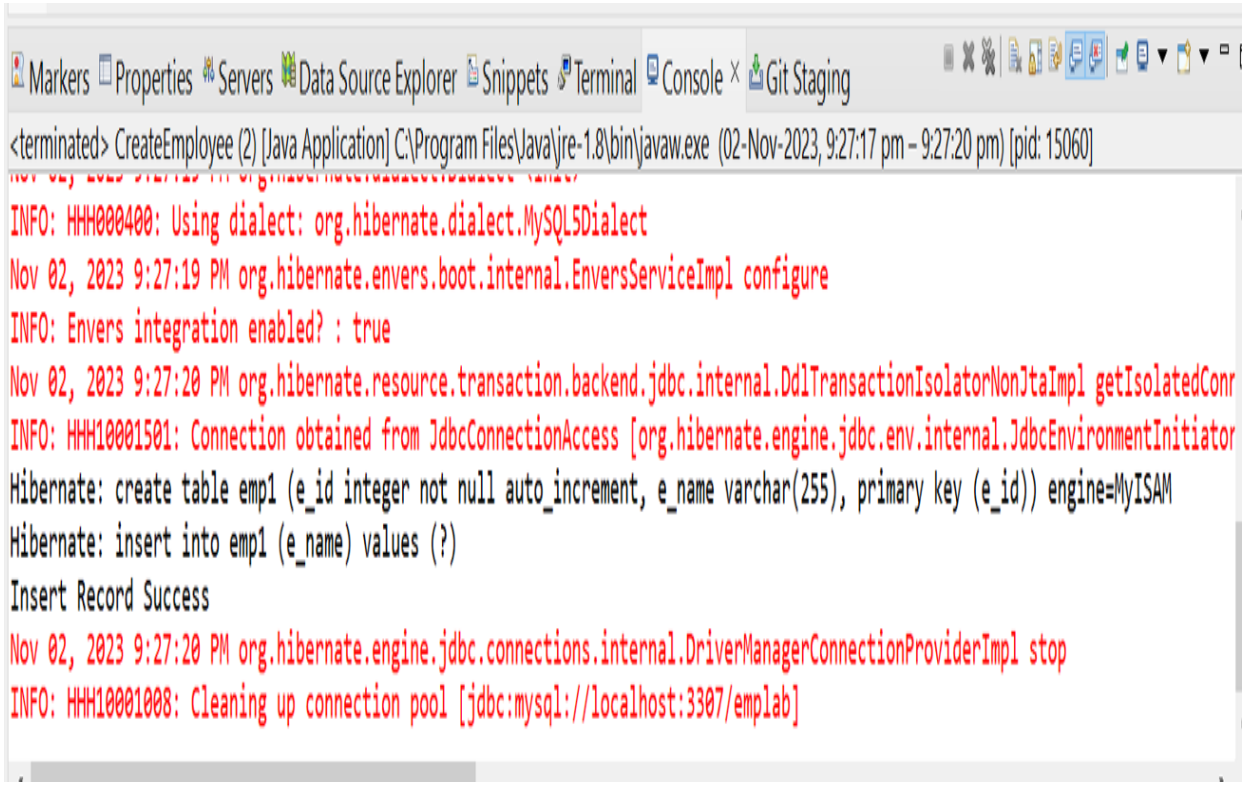
</session-factory>

</hibernate-configuration>



```
mysql> select * from emp1;
+------+---------+
| e_id | e_name  |
+------+---------+
|    1 | Chithra |
|    2 | Preethi |
|    3 | Preksha |
+------+---------+
3 rows in set (0.00 sec)

mysql>
```

Output:


Markers Properties Servers Data Source Explorer Snippets Terminal Console Git Staging
<terminated> CreateEmployee (2) [Java Application] C:\Program Files\Java\jre-1.8\bin\javaw.exe (02-Nov-2023, 9:27:17 pm – 9:27:20 pm) [pid: 15060]
INFO: HHH000400: Using dialect: org.hibernate.dialect.MySQL5Dialect
Nov 02, 2023 9:27:19 PM org.hibernate.envers.boot.internal.EnversServiceImpl configure
INFO: Envers integration enabled? : true
Nov 02, 2023 9:27:20 PM org.hibernate.resource.transaction.backend.jdbc.internal.DdlTransactionIsolatorNonJtaImpl getIsolatedConn
INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvironmentInitiator
Hibernate: create table emp1 (e_id integer not null auto_increment, e_name varchar(255), primary key (e_id)) engine=MyISAM
Hibernate: insert into emp1 (e_name) values (?)
Insert Record Success
Nov 02, 2023 9:27:20 PM org.hibernate.engine.jdbc.connections.internal.DriverManagerConnectionProviderImpl stop
INFO: HHH10001008: Cleaning up connection pool [jdbc:mysql://localhost:3307/emplab]