```
Hibernate Demo
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Date: Jan 21, 2022;
Time: 22:20;


Version
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MySQL version:  8.0.23
java version:   1.8.0_271
Eclipse IDE Version:    2021-12 (4.22.0)
mysql-connector version:    8.0.16
hibernate-core version:     5.4.10.Final


New Maven Project
-----------------
Group Id    : org.apache.maven.archetypes
Artifact Id : maven-archetype-quickstart
Version     : 1.1


Hibernate Cofiguration File
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DB Dialect      : org.hibernate.dialect.MySQL8Dialect
Driver Class    : com.mysql.cj.jdbc.Driver
Connection URL  : jdbc:mysql://localhost:3306/hib
Username    : root
Password    : apple



HibTest
    |
    |---scr
    |    |
    |    |---main
    |    |    |
    |    |    |---java
    |    |    |    |
    |    |    |    |--- com/suji/Student.java
    |    |    |    |--- con/suji/App.java
    |    |    |    |--- hibernate.cfg.xml
    |    |         |
    |---pom.xml
    |



com/suji/Student.java
---------------------
package com.suji;

import javax.persistence.Entity;
import javax.persistence.Id;

@Entity
public class Student {

    @Id
    private int rollno;
    private String name;
    private String school;

    public int getRollno() {
        return rollno;
    }
    public void setRollno(int rollno) {
        this.rollno = rollno;
    }
    public String getName() {
```

```java
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public String getSchool() {
        return school;
    }
    public void setSchool(String school) {
        this.school = school;
    }

    @Override
    public String toString() {
        return "Student [rollno=" + rollno + ", name=" + name + ", school=" + school + "]";
    }
}
```

con/suji/App.java

```java
package com.suji;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.cfg.Configuration;

public class App
{
    public static void main( String[] args )
    {
        Student std = new Student();
        std.setRollno(51);
        std.setName("Sujith");
        std.setSchool("Singareni highschool");

        Configuration config = new Configuration().configure();

        SessionFactory sf = config.buildSessionFactory();

        Session session = sf.openSession();

        Transaction trn = session.getTransaction();

        trn.begin();

        session.save(std);

        trn.commit();

        session.close();
        sf.close();

    }
}
```

hibernate.cfg.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!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>
        <!-- Connection properties -->
        <property name="hibernate.connection.driver_class">com.mysql.cj.jdbc.Driver</property>
```

```xml
        <property name="hibernate.connection.password">apple</property>
        <property name="hibernate.connection.url">jdbc:mysql://localhost:3306/hib</property>
        <property name="hibernate.connection.username">root</property>
        <property name="hibernate.dialect">org.hibernate.dialect.MySQL8Dialect</property>

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

        <!-- Class Mappings -->
        <mapping class="com.suji.Student"></mapping>

    </session-factory>
</hibernate-configuration>
```

pom.xml

```xml
<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/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>

    <groupId>com.suji</groupId>
    <artifactId>HibTest</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <packaging>jar</packaging>

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

    <properties>
        <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    </properties>

    <dependencies>

        <!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->
        <dependency>
            <groupId>mysql</groupId>
            <artifactId>mysql-connector-java</artifactId>
            <version>8.0.16</version>
        </dependency>

        <!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-core -->
        <dependency>
            <groupId>org.hibernate</groupId>
            <artifactId>hibernate-core</artifactId>
            <version>5.4.10.Final</version>
        </dependency>

    </dependencies>
</project>
```