

App.java

```
package net.demo.Hibernate;

import java.util.Date;

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

import net.demo.Hibernate.*;
public class App
{
    public static void main( String[] args )
    {
        System.out.println( "Hello World!" );

        SessionFactory factory=new Configuration().configure().buildSessionFactory();

        System.out.println(factory);

        Student st=new Student();
        st.setId(38);
        st.setName("NILESH");
        st.setCity("SATARA");

        //create object of Address class.....

        Address ad=new Address();

        ad.setDistrict("SATARA");
        ad.setLandmarks("RAJWADA");
        ad.setPermanent(true);
        ad.setStreet("Gandi_Road");
        ad.setPincode("415001");
        ad.setAddeddate(new Date());

        System.out.println(st);
        Session session=factory.openSession();
        session.beginTransaction();
        session.save(st);
        session.save(ad);
        session.getTransaction().commit();
        session.close();
    }
}
```

Address.java

```
package net.demo.Hibernate;

import java.util.Date;

import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.Id;
import javax.persistence.Table;
import javax.persistence.Temporal;
import javax.persistence.TemporalType;
import javax.persistence.Transient;

@Entity
@Table (name = "Address_Info")

public class Address
{
    @Id
    @GeneratedValue
    private int addressID;

    @Column (name = "Street_Name")
    private String street;

    private String district;

    @Column(length = 6)
    private String pincode;

    @Transient
    private String landmarks;

    private boolean permanent;

    @Temporal(TemporalType.DATE)
    private Date addeddate;

    public Address() {
        super();
        // TODO Auto-generated constructor stub
    }

    public Address(int addressID, String street, String district, String pincode, String
landmarks, boolean permanent,
        Date addeddate) {
        super();
        this.addressID = addressID;
        this.street = street;
        this.district = district;
        this.pincode = pincode;
        this.landmarks = landmarks;
        this.permanent = permanent;
        this.addeddate = addeddate;
    }

    public int getAddressID() {
        return addressID;
    }

    public void setAddressID(int addressID) {
```

```

        this.addressID = addressID;
    }

    public String getStreet() {
        return street;
    }

    public void setStreet(String street) {
        this.street = street;
    }

    public String getDistrict() {
        return district;
    }

    public void setDistrict(String district) {
        this.district = district;
    }

    public String getPincode() {
        return pincode;
    }

    public void setPincode(String pincode) {
        this.pincode = pincode;
    }

    public String getLandmarks() {
        return landmarks;
    }

    public void setLandmarks(String landmarks) {
        this.landmarks = landmarks;
    }

    public boolean isPermanent() {
        return permanent;
    }

    public void setPermanent(boolean permanent) {
        this.permanent = permanent;
    }

    public Date getAddeddate() {
        return addeddate;
    }

    public void setAddeddate(Date addeddate) {
        this.addeddate = addeddate;
    }
}

```

Student.java

```
package net.demo.Hibernate;
```

```
import javax.persistence.Entity;
```

```
import javax.persistence.Id;
```

```
@Entity
```

```
public class Student
```

```
{
```

```
    //PRIMARY KEY
```

```
    @Id
```

```
    private int id;
```

```
    private String name;
```

```
    private String city;
```

```
    //data initialization;
```

```
    public Student(int id, String name, String city) {
```

```
        super();
```

```
        this.id = id;
```

```
        this.name = name;
```

```
        this.city = city;
```

```
    }
```

```
    public Student() {
```

```
        super();
```

```
        // TODO Auto-generated constructor stub
```

```
    }
```

```
    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 getCity() {

        return city;

    }

    public void setCity(String city) {

        this.city = city;

    }

    @Override

    public String toString() {

        // TODO Auto-generated method stub

        return this.id+" : "+this.name+" : "+this.city;

    }

}

```

Hibernate.cfg.xml

```

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-configuration
SYSTEM "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>
<session-factory>
    <property name="connection.driver_class">com.mysql.jdbc.Driver</property>
    <property name="connection.url">jdbc:mysql://localhost:3306/demo</property>
    <property name="connection.username">root</property>
    <property name="connection.password">root</property>
    <property name="dialect">org.hibernate.dialect.MySQL5Dialect</property>
    <property name="hbm2ddl.auto">create</property>
    <property name="show_sql">true</property>
    <mapping class="net.demo.Hibernate.Student"/>
    <mapping class="net.demo.Hibernate.Address"/>

</session-factory>

```

</hibernate-configuration>