

Hiberanate.cfg.xml

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

<hibernate-configuration>

    <session-factory>
        <property name="hbm2ddl.auto">create</property>
        <property name="show_sql">true</property>
        <property name="dialect">org.hibernate.dialect.MySQL8Dialect</property>
        <property name="connection.url">
jdbc:mysql://localhost:3306/mydatabase</property>
        <property name="connection.username">root</property>
        <property name="connection.password">paviSQL123</property>
        <property name="connection.driver_class">
com.mysql.cj.jdbc.Driver</property>
        <mapping resource="Hibernate.hbm.xml"/>
    </session-factory>

</hibernate-configuration>
```

Hibernate.hbm.xml

```
<?xml version='1.0' encoding='UTF-8'?>
<!DOCTYPE hibernate-mapping PUBLIC
    "-//Hibernate/Hibernate Mapping DTD 3.0//EN"
    "http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">

<hibernate-mapping>
<class name="students.Student" table="student_table">
    <id name="s_id" type="int" column="stu_id">

        <generator class="assigned"></generator>
    </id>

    <property name="s_name" type="string" column="stu_name"></property>
    <property name="s_marks" type="float" column="stu_marks"></property>

</class>
```

</hibernate-mapping>

Student.java

```
package students;

public class Student {
    private int s_id;
    private String s_name;
    private float s_marks;
    public int getS_id() {
        return s_id;
    }
    public void setS_id(int s_id) {
        this.s_id = s_id;
    }
    public String getS_name() {
        return s_name;
    }
    public void setS_name(String s_name) {
        this.s_name = s_name;
    }
    public float getS_marks() {
        return s_marks;
    }
    public void setS_marks(float s_marks) {
        this.s_marks = s_marks;
    }
}
```

TestStudent.java

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

import students.Student;

public class TestStudent {
    public static void main(String[] args) {
```

```

System.out.println("Storing the data");
try{
    //creating configuration object
        System.out.println("!!!!!!!!!!!!!!");
    Configuration cfg=new Configuration();
    System.out.println("22222222222222222222222222222222");
    cfg.configure("Hibernate.cfg.xml");//populates the data of the
configuration file

    System.out.println("33333333333333333333333333333333");
    //creating session factory object
    SessionFactory factory=cfg.buildSessionFactory();
    System.out.println("44444444444444444444444444444444");
    //creating session object
    Session session=factory.openSession();
    System.out.println("55555555555555555555555555555555");
    //creating transaction object
    Transaction t=session.beginTransaction();
    System.out.println("66666666666666666666666666666666");
    Student s=new Student();
    s.setS_id(123);
    s.setS_name("Pavithra");
    s.setS_marks( 98.9f);
    System.out.println("77777777777777777777777777777777");
    session.persist(s);//persisting the object
    System.out.println("888888888888888888888888888888888888");
    t.commit();//transaction is committed

    /* Serializable id=session.save(t1);*/
    // System.out.println(id);
    session.close();

    System.out.println("successfully saved");
    }catch(Exception ex)
    {
        System.out.println("Problem in connection"+ex.getMessage());
    }
}
}

```