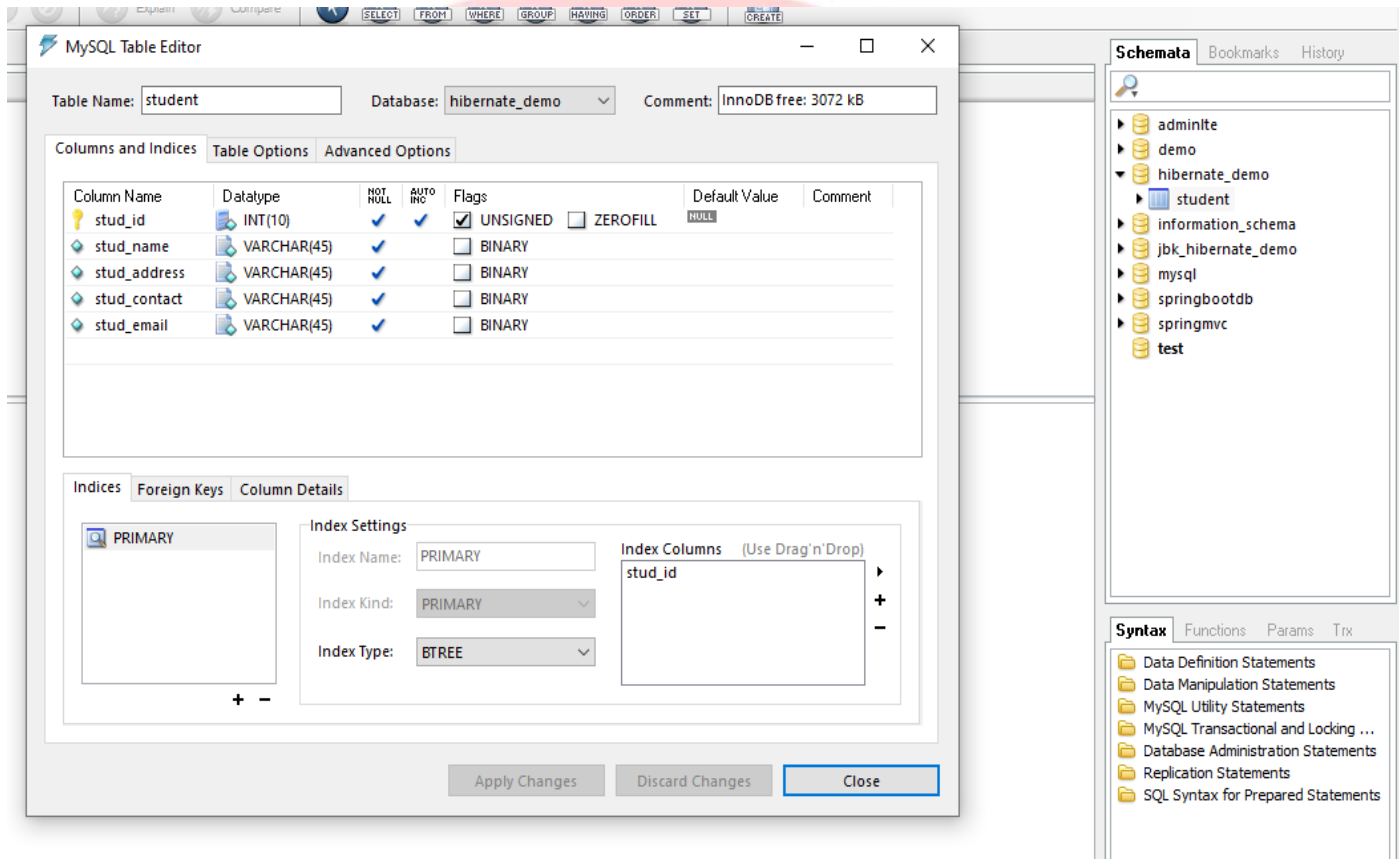## Assignment :- Hibernate Built in functions

1.Create schema "Hibernate_demo"

2.Create Table

4.Create Java Project

5.Add jars of hibernate

6.Create Configuration

7.Generate Hibernate code with package name "com.jbk"

Program 1. Save record

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

public class client {

    public static void main(String[] args) {

        Configuration cfg = new Configuration();
        cfg.configure().addAnnotatedClass(Student.class);

        SessionFactory sf = cfg.buildSessionFactory();
        Session session = sf.openSession();

        Transaction tt = session.beginTransaction();

        Student stud=new Student();
        stud.setStudName("Kiran");
        stud.setStudAddress("Pune");
        stud.setStudContact("78965874589");
        stud.setStudEmail("kiran@gmail.com");
        session.save(stud);
        tt.commit();
        session.close();

        System.out.println("Data Stored Successfully");
    }
}
```

Program 2: Load Record

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

public class LoadData {

    public static void main(String[] args) {
        Configuration cfg = new Configuration();
        cfg.configure().addAnnotatedClass(Student.class);

        SessionFactory sf = cfg.buildSessionFactory();
        Session session = sf.openSession();

        Student student=session.load(Student.class, 1);
        System.out.println("Student Data");
        System.out.println(student.getStudName());
        System.out.println(student.getStudAddress());
        System.out.println(student.getStudContact());
        System.out.println(student.getStudEmail());
    }
}
```

Program 3: Update Record

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

public class UpdateData {

    public static void main(String[] args) {
        Configuration cfg = new Configuration();
        cfg.configure().addAnnotatedClass(Student.class);

        SessionFactory sf = cfg.buildSessionFactory();
        Session session = sf.openSession();
        Transaction tx=session.beginTransaction();
        Student student=session.get(Student.class, 1);
        student.setStudAddress("Mumbai");
        session.update(student);
        tx.commit();
        System.out.println("Student updated Successfully");

    }
}
```

Program 5: Delete Record

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

public class DeleteData {


    public static void main(String[] args) {
        Configuration cfg = new Configuration();
        cfg.configure().addAnnotatedClass(Student.class);

        SessionFactory sf = cfg.buildSessionFactory();
        Session session = sf.openSession();
        Transaction tx=session.beginTransaction();
        Student student=session.get(Student.class, 1);

        session.delete(student);
        tx.commit();
        System.out.println("Student deleted Successfully!!");
    }

}
```

Program 6: Save or update Record


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

public class SaveOrUpdateData {

    public static void main(String[] args) {
        Configuration cfg = new Configuration();
        cfg.configure().addAnnotatedClass(Student.class);

        SessionFactory sf = cfg.buildSessionFactory();
        Session session = sf.openSession();
        Transaction tx=session.beginTransaction();
        //Student student=session.get(Student.class, 1);
        Student   student=new Student();
        student.setStudId(2);
        student.setStudName("Deepak");
        student.setStudAddress("Pune");
        student.setStudContact("78965874589");
        student.setStudEmail("deep@gmail.com");

        session.saveOrUpdate(student);
        tx.commit();
        System.out.println("Student updated Successfully");
    }
}
```