Hibernate criteria & Query

1.Load Data

```java
package com.jbk.entity;

import java.util.List;

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

public class Criterialist {

	public static void main(String[] args) {

		Configuration cfg=new Configuration();

	cfg.configure().addAnnotatedClass(Employee.class).addAnnotatedClass(Country.class);

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

		Criteria criteria=session.createCriteria(Employee.class);
		List<Employee>listemp=criteria.list();

		System.out.println("Employee Details");
		for(Employee emp:listemp)
		{
			System.out.print(emp.getName()+" ");
			System.out.print(emp.getPhoneno()+" ");
			System.out.print(emp.getDepartmentit()+" ");
			System.out.print(emp.getStatus()+" ");
			System.out.println(" ");
		}


	}
```

```
}
```

2.Insert Data

```java
package com.jbk.entity;

import java.util.Date;

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

public class EmployeeSaveData {

    public static void main(String[] args) {

        Configuration cfg=new Configuration();

        cfg.configure().addAnnotatedClass(Employee.class).addAnnotatedClass(Country.class);

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

        Transaction transaction=session.beginTransaction();
```

```java
Country country=session.get(Country.class, 1);

System.out.println(country.getCid());

System.out.println(country.getCname());


Query query=session.createSQLQuery("insert into
Employee(name,phoneno,departmentit,status,createddtm,createdby,updateddtm,up
datedby,cid)
values(:name,:phoneno,:departmentit,:status,:createddtm,:createdby,:updateddtm,:u
pdatedby,:country)");

        query.setParameter("name", "Rashi");

        query.setParameter("phoneno", "999999");

        query.setParameter("departmentit", "IT");

        query.setParameter("status", "active");

        Date date=new Date();

        query.setParameter("createddtm", date);

        query.setParameter("createdby", "Kiran");

        query.setParameter("updateddtm", date);

        query.setParameter("updatedby", "Kiran");

        query.setParameter("country", country);

        int result=query.executeUpdate();

        transaction.commit();

        if(result>0)

        {

                System.out.println("Employee Inserted Successfully!");

        }
```

```
        }
}


3.Update Data
package com.jbk.entity;


import java.util.Date;


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


public class EmployeeUpdateData {


        public static void main(String[] args) {


                Configuration cfg=new Configuration();

        cfg.configure().addAnnotatedClass(Employee.class).addAnnotatedClass(Co
untry.class);


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

```java
Transaction tx=session.beginTransaction();

Country country=session.get(Country.class, 1);

System.out.println(country.getCid());

System.out.println(country.getCname());

Query query=session.createQuery("update Employee set
name=:name,phoneno=:phoneno,departmentit=:departmentit,status=:status,created
dtm=:createddtm,createdby=:createdby,updateddtm=:updateddtm,updatedby=:upd
atedby,cid=:cid where id=:id");

query.setParameter("name", "Diksha");

query.setParameter("phoneno", "88888");

query.setParameter("departmentit", "IT");

query.setParameter("status", "active");

Date date=new Date();

query.setParameter("createddtm", date);

query.setParameter("createdby", "Kiran");

query.setParameter("updateddtm", date);

query.setParameter("updatedby", "Kiran");

query.setParameter("cid", country);

query.setParameter("id", 3);

int result=query.executeUpdate();


int i=query.executeUpdate();

tx.commit();

if(i>0)

{

        System.out.println("Employee Updated Successfully");
```

```
            }


        }
    }

4.Delete Data:-
package com.jbk.hibernate;


import org.hibernate.Criteria;
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(Employee.class).addAnnotatedClass(Co
untry.class);


            SessionFactory sessionfactory=cfg.buildSessionFactory();

            Session session=sessionfactory.openSession();

            Transaction transaction=session.beginTransaction();
```

```java
        Employee emp=session.get(Employee.class, 52);
        session.delete(emp);


        transaction.commit();
        System.out.println("Employee data Deleted");
    }
}
```