

```
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*/
package com.ram.operations;
import com.ram.bean.Student;
import com.ram.utility.HibernateUtil;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
* @author Admin
public class InsertData {
  public static void main(String[] args) {
    //step1: Create Object of SessionFactory
    SessionFactory sf=HibernateUtil.getSessionFactory();
    //step2: Create Object of Session
    Session session=sf.openSession();
    //step3:Create Object of Student Bean class
    Student sb=new Student();
    //Step4: Set All Data into beans
```

sb.setC(67);
sb.setE(78);

sb.setEnroll("0123CS1");

```
sb.setH(64);
    sb.setM(77);
    sb.setName("Akash");
    sb.setP(79);
    sb.setSid(101);
    int total=sb.getP()+sb.getC()+sb.getM()+sb.getH()+sb.getE();
    float per=total/5.0f;
    sb.setTotal(total);
    sb.setPer(per);
    //step5: Call save method
    session.save(sb);
    //step6: Create an Object of Transaction
    Transaction tx=session.beginTransaction();
    //step7: call commit method
    tx.commit();
    //step8: CLose
    session.close();
    sf.close();
  }
}
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  Step1: Create a SessionFactory Object
                                                                  Read Operation
  SessionFactory sf=HibernateUtil.getSessionFactory();
  Step2: Create Object of Session via SessionFactory Object
                                                                  1.Query(I)
  Session session=sf.openSession();
                                                                  2.Criteria(I)
  Step3: Create Object of Bean class
  Student sb=new Student();
  Step4: Set all data into bean
  Step5: Create session.save(bean) via Session object
  session.save(sb);
  Step6: Create Object of Transaction via Session
  Transaction tx=session.beginTransaction();
  Step7: Call commit() method via Transaction Object
  tx.commit();
  Step8: CLose the Session and SessionFactory
  session.close();
  sf.close();
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*/

package com.ram.operations;

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import com.ram.bean.Student; import com.ram.utility.HibernateUtil;

```
import java.util.ArrayList;
import org.hibernate.Query;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
* @author Admin
public class FindAll {
  public static void main(String[] args) {
    //step1: SessionFactory object
    SessionFactory sf=HibernateUtil.getSessionFactory();
    //step2: Session
    Session session=sf.openSession();
    //step3: Create Object of Query(I)
    Query q=session.createQuery("from Student s");
    ArrayList<Student> all=(ArrayList<Student>)q.list();
    //step4: Traverse Data using for each
    for(Student sb:all){
      System.out.println(""+sb.getEnroll()+"\t"+sb.getName()+"\t"+sb.getPer()+"\t"+sb.getTotal());
    }
    session.close();
    sf.close();
  }
}
```