

# Save a Java Object



# Hibernate Dev Process - To Do List

1. Add Hibernate Configuration file
2. Annotate Java Class
3. Develop Java Code to perform database operations



# Two Key Players

Class	Description
<b>SessionFactory</b>	Reads the hibernate config file Creates Session objects Heavy-weight object Only create once in your app
<b>Session</b>	Wraps a JDBC connection Main object used to save/retrieve objects Short-lived object Retrieved from SessionFactory



# Java Code Setup

```
public static void main(String[] args) {  
  
    SessionFactory factory = new Configuration()  
                                .configure("hibernate.cfg.xml")  
                                .addAnnotatedClass(Student.class)  
                                .buildSessionFactory();  
  
    Session session = factory.getCurrentSession();  
  
    try {  
  
        // now use the session object to save/retrieve Java objects  
  
    } finally {  
        factory.close();  
    }  
  
}
```



# Save a Java Object

```
try {  
    // create a student object  
    Student tempStudent = new Student("Paul", "Wall", "paul@luv2code.com");  
  
    // start transaction  
    session.beginTransaction();  
  
    // save the student  
    session.save(tempStudent);  
  
    // commit the transaction  
    session.getTransaction().commit();  
} finally {  
    factory.close();  
}
```