```java
package inventory;

import javax.persistence.EntityManager;
import javax.persistence.EntityManagerFactory;
import javax.persistence.Persistence;

import entities.Category;

public class AddCategory {

    public static void main(String[] args) {
        EntityManagerFactory emf = Persistence.createEntityManagerFactory("mssqlserver_msdb");
        EntityManager em = emf.createEntityManager();

        Category c = new Category();
        c.setCode("cat1");
        c.setDescription("Category one");
        // Transient

        em.getTransaction().begin();
        em.persist(c);
        // Managed
        em.getTransaction().commit();

        em.close();
        // Detached
        emf.close();

    }

}
```