LAB 10 ANP-C7781

Solve following questions:

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1.     Develop a basic Create, Read operation using Hibernate for a simple entity, such as Student

2.     Use get() method to fetch a student object with an ID that doesn't exist in the database. What will be the result, and how would you handle it?

3.     Also demonstrate use of load() method.

Program :-

***(Student.java)***

package FirstProject;

import javax.persistence.Entity;

import javax.persistence.Id;

// Defines the class as an entity for Hibernate

*@Entity*

public class student {

// Specifies the primary key field

*@Id*

private int id;

private String name;

private String city;

// Parameterized constructor

public student(int id, String name, String city) {

super();

this.id = id;

this.name = name;

this.city = city;

}

// Default constructor

public student() {

super();

}

// Getter for id

public int getId() {

return id;

}

// Setter for id

public void setId(int id) {

this.id = id;

}

// Getter for name

public String getName() {

return name;

}

// Setter for name

public void setName(String name) {

this.name = name;

}

// Getter for city

public String getCity() {

return city;

}

// Setter for city

public void setCity(String city) {

this.city = city;

}

// Overridden toString method for string representation

*@Override*

public String toString() {

return this.id + " : " + this.name + " : " + this.city;

}

}

***(FetchDemo.java)***

package FirstProject;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.cfg.Configuration;

public class FetchDemo {

public static void main(String[] args) {

// Get and Load Method

// Configure the hibernate session factory using the configuration file

Configuration cfg = new Configuration();

cfg.configure();

SessionFactory factory = cfg.buildSessionFactory();

Session session = factory.openSession();

// Using Get Method

// Get Student with id = 2

student std = (student) session.get(student.class, 2);

System.***out***.println(std);

// Using Get Method

// Get Student with id = 8 (Not Existed Value)

student std1 = (student) session.get(student.class, 8);

if(std1==null) {

System.***out***.println("Student not found, try with another ID..");

}else {

System.***out***.println(std1);

}

// Using Load Method

// Load Student with id = 4

student std2 = (student) session.load(student.class, 4);

System.***out***.println(std2);

// Additional address class/entity created and fetching the data in the form of object from this FetchDemo class

// Get address with id = 1

address ad=(address)session.get(address.class, 1);

System.***out***.println(ad.getCity() + ":" + ad.getStreet());

// Close the session and session factory

session.close();

factory.close();

}

}

**Output :-**

