Java 9

Hibernate 5

Create Java project

Configure to maven project

**Add Maven dependencies into pom.xml**

<dependencies>

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.2.6.Final</version>

</dependency>

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>5.1.40</version>

</dependency>

<!-- https://mvnrepository.com/artifact/com.sun.xml.bind/jaxb-impl -->

<dependency>

<groupId>com.sun.xml.bind</groupId>

<artifactId>jaxb-impl</artifactId>

<version>2.2.11</version>

</dependency>

<dependency>

<groupId>com.sun.xml.bind</groupId>

<artifactId>jaxb-core</artifactId>

<version>2.2.11</version>

</dependency>

<dependency>

<groupId>javax.transaction</groupId>

<artifactId>javax.transaction-api</artifactId>

<version>1.2</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.hibernate.javax.persistence/hibernate-jpa-2.1-api -->

<dependency>

<groupId>org.hibernate.javax.persistence</groupId>

<artifactId>hibernate-jpa-2.0-api</artifactId>

<version>1.0.1.Final</version>

</dependency>

</dependencies>

**Create hibernate.cfg.xml : location source folder**

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<!-- Database connection settings -->

<property name="connection.driver\_class">com.mysql.jdbc.Driver</property>

<property name="connection.url">jdbc:mysql://localhost:3306/bookstore</property>

<property name="connection.username">root</property>

<property name="connection.password">root</property>

<property name="show\_sql">true</property>

<mapping class="com.example.hibernate.Book" />

</session-factory>

</hibernate-configuration>

Create class BookManager.java

package com.example.hibernate;

//--add-modules java.xml.bind : add this in varibale argument - vm arguments

import com.example.\*;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.boot.MetadataSources;

import org.hibernate.boot.registry.StandardServiceRegistry;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

public class BookManager {

protected SessionFactory sessionFactory;

protected void setup() {

//read config file

final StandardServiceRegistry registry = new StandardServiceRegistryBuilder()

.configure()

.build();

try {

sessionFactory = new MetadataSources(registry).buildMetadata().buildSessionFactory();

System.out.println("connection = "+**sessionFactory.isOpen()**);

} catch (Exception ex) {

StandardServiceRegistryBuilder.destroy(registry);

}

}

protected void exit() {

sessionFactory.close();

}

public static void main(String[] args) {

BookManager manager = new BookManager();

manager.setup();

manager.exit();

}

}

Output : connection true

**While running BookManager.java add this module --add-modules java.xml.bind in the vm arguments in eclipse.**

**This module not available in jdk , moved to j2ee module in java9.**

**Database : MySQL**

**CREATE DATABASE 'bookstore';**

**USE 'bookstore';**

**CREATE TABLE `book` (**

**`book\_id` int(11) NOT NULL AUTO\_INCREMENT,**

**`title` varchar(128) NOT NULL,**

**`author` varchar(45) NOT NULL,**

**`price` float NOT NULL,**

**PRIMARY KEY (`book\_id`),**

**UNIQUE KEY `book\_id\_UNIQUE` (`book\_id`),**

**UNIQUE KEY `title\_UNIQUE` (`title`)**

**) ENGINE=InnoDB;**