**PROBLEM STATEMENT – 1**

**Create MySQL Table**

**application.properties:**

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver

spring.datasource.url=jdbc:mysql://localhost:3306/Book\_Details

spring.datasource.username=root

spring.datasource.password=Password@12

spring.jpa.hibernate.ddl-auto=update

spring.jpa.show-sql=true

**Book\_Details.java:**

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

@Entity

**public** **class** BookDetails {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

**private** Long id;

**private** String bookTitle;

**private** String bookPublisher;

**private** String bookIsbn;

**private** **int** bookNumberOfPages;

**private** **int** bookYear;

**public** Long getId() {

**return** id;

}

**public** **void** setId(Long id) {

**this**.id = id;

}

**public** String getBookTitle() {

**return** bookTitle;

}

**public** **void** setBookTitle(String bookTitle) {

**this**.bookTitle = bookTitle;

}

**public** String getBookPublisher() {

**return** bookPublisher;

}

**public** **void** setBookPublisher(String bookPublisher) {

**this**.bookPublisher = bookPublisher;

}

**public** String getBookIsbn() {

**return** bookIsbn;

}

**public** **void** setBookIsbn(String bookIsbn) {

**this**.bookIsbn = bookIsbn;

}

**public** **int** getBookNumberOfPages() {

**return** bookNumberOfPages;

}

**public** **void** setBookNumberOfPages(**int** bookNumberOfPages) {

**this**.bookNumberOfPages = bookNumberOfPages;

}

**public** **int** getBookYear() {

**return** bookYear;

}

**public** **void** setBookYear(**int** bookYear) {

**this**.bookYear = bookYear;

}

}

**BookDetailsRepository:**

import org.springframework.data.jpa.repository.JpaRepository;

public interface BookDetailsRepository extends JpaRepository<BookDetails, Long> {

}

**DataLoader.java:**

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.boot.CommandLineRunner;

import org.springframework.stereotype.Component;

@Component

public class DataLoader implements CommandLineRunner {

    @Autowired

    private BookDetailsRepository repository;

    @Override

    public void run(String... args) throws Exception {

        repository.save(new BookDetails("The Great Gatsby", "Scribner", "9780743273565", 180, 1925));

        repository.save(new BookDetails("1984", "Secker & Warburg", "9780451524935", 328, 1949));

        repository.save(new BookDetails("To Kill a Mockingbird", "J.B. Lippincott & Co.", "9780061120084", 281, 1960));

    }

}