**Spring Data JPA - Quick Example**

**Create a Spring Boot Project** with dependencies:

Spring Web

Spring Data JPA

MySQL Driver

**Create an Entity Class (Student.java) inside entity package:**

@Entity

@Table(name = "tbl\_student")

@Data

@NoArgsConstructor

@AllArgsConstructor

@Builder

public class Student {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long studentId;

private String firstName;

private String lastName;

private String emailId;

}

**Create a Repository Interface:**

@Repository

public interface StudentRepository extends JpaRepository<Student, Long> {}

**Create a Test Class to save a record:**

@SpringBootTest

public class StudentRepositoryTest {

@Autowired

private StudentRepository studentRepository;

@Test

public void saveStudent() {

Student student = Student.builder()

.firstName("Debangshu")

.lastName("Dey")

.emailId("debangshu@gmail.com")

.build();

studentRepository.save(student);

}

}

**application.properties**: **for connecting to database**

spring.application.name=spring-data-jpa

spring.jpa.hibernate.ddl-auto=update

spring.datasource.url=jdbc:mysql://localhost:3306/school\_db

spring.datasource.username=root

spring.datasource.password=**mypassword**

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

spring.jpa.show-sql=true

**Output: Record saved successfully, visible in database.**