

07 - Update and Delete

Update Using save() Method:

The save() method in Spring Data JPA can be used to update records in the database.

Before updating a record:

- A select query is first executed to check if the data exists based on the provided entity's primary key.
- If the data exists, it fires an update query.
- If the data does not exist, it fires a create query to insert a new record.

Delete Using delete() Method:

- The delete() method is used to delete an entity from the database.
- The method takes the entity object as a parameter, and the deletion is performed based on the primary key of the object.
- Before deletion, a select query is executed to verify if the entity exists. If the record is found, a delete query is then issued to remove the entity from the database.

Example:

```
@SpringBootApplication
public class SpringDataJpaExApplication {
    public static void main(String[] args) {
        ApplicationContext context=
            SpringApplication.run(SpringDataJpaExApplication.class, args);
        Student s1= context.getBean(Student.class);

        Student s2=context.getBean(Student.class);
        Student s3=context.getBean(Student.class);
        StudentRepo repo=context.getBean(StudentRepo.class);

        //System.out.println(repo.save(s2));
        repo.delete(s2);
    }
}
```

Code Link :

<https://github.com/navinreddy20/spring6-course/tree/c6690e4f2c70d8f530d70623f13d14ff0ffd7e7d/9%20Spring%20DataJPA/9.7%20Update%20And%20Delete>