

```
spring.application.name=API

# PostgreSQL Database Configuration

spring.datasource.url=jdbc:postgresql://localhost:5432/nashik

spring.datasource.username=postgres

spring.datasource.password=Rohit@2003

spring.datasource.driver-class-name=org.postgresql.Driver

# Jpa Configuration

spring.jpa.hibernate.ddl-auto=update

spring.jpa.show-sql=true

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.PostgreSQLDialect
```

```
package in.api;
```

```
import java.util.HashMap;

import java.util.List;

import java.util.Map;


import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.DeleteMapping;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.PutMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RestController;
```

```
@RestController
```

```
public class Studentcontrol {

    @Autowired

    private Studentrepo repo;

    @GetMapping("/Student")

    public List<Student> getStudnet(){

        List<Student> list =repo.findAll();
```

```

        return list;
    }

@PostMapping("/savestudent")
public Student savestudent(@RequestBody Student s) {
    return repo.save(s);
}

@PostMapping("/savestuden")
public Object savastuden(@RequestBody Student s) {
    repo.save(s);
    Map<String,Object> response=new HashMap<>();
    response.put("Status",200);
    response.put("Message", "Record save Successfully");
    return response;
}

@PostMapping("/updatestudent")
public Student updatestuent(@RequestBody Student s) {
    return repo.save(s);
}

@PostMapping("/updatestuen")
public Object updatestuen(@RequestBody Student s) {
    repo.save(s);
    Map<String,Object> response=new HashMap<>();
    response.put("Status",200);
    response.put("Message","Record Update Successfully");
    return response;
}

@PostMapping("/dlt/{id}")
public String delstudent(@PathVariable int id) {
    repo.deleteById(id);
    return "Delete Success";
}

```

```
}
```

```
package in.api;
```

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

```
public interface Studentrepo extends JpaRepository<Student,Integer>{
```

```
}
```

```
package in.api;
```

```
import jakarta.persistence.Entity;
```

```
import jakarta.persistence.GeneratedValue;
```

```
import jakarta.persistence.GenerationType;
```

```
import jakarta.persistence.Id;
```

```
@Entity
```

```
public class Student {
```

```
    @Id
```

```
    @GeneratedValue(strategy = GenerationType.AUTO)
```

```
    private int id;
```

```
    private String name;
```

```
    private String subject;
```

```
    private String roll;
```

```
    public int getId() {
```

```
        return id;
```

```
    }
```

```
    public void setId(int id) {
```

```
        this.id = id;
```

```
    }
```

```
    public String getName() {
```

```
        return name;
```

```

    }

    public void setName(String name) {
        this.name = name;
    }

    public String getSubject() {
        return subject;
    }

    public void setSubject(String subject) {
        this.subject = subject;
    }

    public String getRoll() {
        return roll;
    }

    public void setRoll(String roll) {
        this.roll = roll;
    }
}

package in.api;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class ApiApplication {

    public static void main(String[] args) {
        SpringApplication.run(ApiApplication.class, args);
        System.out.println("Success Api Spring Boot...!");
    }
}

```

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

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
```

```
    <modelVersion>4.0.0</modelVersion>
```

```
    <parent>
```

```
        <groupId>org.springframework.boot</groupId>
```

```
        <artifactId>spring-boot-starter-parent</artifactId>
```

```
        <version>3.4.2</version>
```

```
        <relativePath/> <!-- lookup parent from repository -->
```

```
    </parent>
```

```
    <groupId>in.api</groupId>
```

```
    <artifactId>API</artifactId>
```

```
    <version>0.0.1-SNAPSHOT</version>
```

```
    <name>API</name>
```

```
    <description>Demo project for Spring Boot</description>
```

```
    <url/>
```

```
    <licenses>
```

```
        <license/>
```

```
    </licenses>
```

```
    <developers>
```

```
        <developer/>
```

```
    </developers>
```

```
    <scm>
```

```
        <connection/>
```

```
        <developerConnection/>
```

```
        <tag/>
```

```
        <url/>
```

```
    </scm>
```

```
    <properties>
```

```
        <java.version>17</java.version>
```

```
    </properties>
```

```
    <dependencies>
```

```
<dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-actuator</artifactId>
</dependency>
<dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-data-jpa</artifactId>
</dependency>
<dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
</dependency>
<dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web-services</artifactId>
</dependency>

<dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-devtools</artifactId>
    <scope>runtime</scope>
    <optional>true</optional>
</dependency>
<dependency>
    <groupId>org.postgresql</groupId>
    <artifactId>postgresql</artifactId>
    <scope>runtime</scope>
</dependency>
<dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <optional>true</optional>
</dependency>
```

```

    <dependency>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-starter-test</artifactId>
      <scope>test</scope>
    </dependency>
  </dependencies>

  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-compiler-plugin</artifactId>
        <configuration>
          <annotationProcessorPaths>
            <path>
              <groupId>org.projectlombok</groupId>
              <artifactId>lombok</artifactId>
            </path>
          </annotationProcessorPaths>
        </configuration>
      </plugin>
      <plugin>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-maven-plugin</artifactId>
        <configuration>
          <excludes>
            <exclude>
              <groupId>org.projectlombok</groupId>
              <artifactId>lombok</artifactId>
            </exclude>
          </excludes>
        </configuration>
      </plugin>
    </plugins>
  </build>

```

</plugins>

</build>

</project>