```java
package br.edu.fateczl.aulafateczlspring;

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

@SpringBootApplication
public class AulafateczlspringApplication {

    Run | Debug
    public static void main(String[] args) {
        SpringApplication.run(AulafateczlspringApplication.class, args);
    }

}
```

```
  :: Spring Boot ::                (v3.1.6)

2023-11-25T14:28:33.245-03:00  INFO 7092 --- [        main] b.e.f.a.AulafateczlspringApplication     : Starting AulafateczlspringApplication using Java 17.0.9 with PID 7092 (C:\Users\Lenovo\Documents\_6S\6S_aulafateczlspring\aulafateczlspring\target\classes started by Lenovo in C:\Users\Lenovo\Documents\_6S\6S_aulafateczlsprin
g\aulafateczlspring)
2023-11-25T14:28:33.257-03:00  INFO 7092 --- [        main] b.e.f.a.AulafateczlspringApplication     : No active profile set, falling back to 1 default profile: "default"
2023-11-25T14:28:36.451-03:00  INFO 7092 --- [        main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2023-11-25T14:28:36.698-03:00  INFO 7092 --- [        main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 218 ms. Found 1 JPA repository interface.
2023-11-25T14:28:40.321-03:00  INFO 7092 --- [        main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized with port(s): 8080 (http)
2023-11-25T14:28:40.360-03:00  INFO 7092 --- [        main] o.apache.catalina.core.StandardService   : Starting service [Tomcat]
2023-11-25T14:28:40.361-03:00  INFO 7092 --- [        main] o.apache.catalina.core.StandardEngine    : Starting Servlet engine: [Apache Tomcat/10.1.16]
2023-11-25T14:28:41.054-03:00  INFO 7092 --- [        main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring embedded WebApplicationContext
2023-11-25T14:28:41.100-03:00  INFO 7092 --- [        main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 7533 ms
2023-11-25T14:28:43.069-03:00  INFO 7092 --- [        main] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Starting...
2023-11-25T14:28:43.666-03:00  INFO 7092 --- [        main] com.zaxxer.hikari.pool.HikariPool        : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@74834afd
2023-11-25T14:28:43.672-03:00  INFO 7092 --- [        main] com.zaxxer.hikari.HikariDataSource       : HikariPool-1 - Start completed.
2023-11-25T14:28:44.015-03:00  INFO 7092 --- [        main] o.hibernate.jpa.internal.util.LogHelper  : HHH000204: Processing PersistenceUnitInfo [name: default]
2023-11-25T14:28:44.447-03:00  INFO 7092 --- [        main] org.hibernate.Version                    : HHH000412: Hibernate ORM core version 6.2.13.Final
2023-11-25T14:28:44.456-03:00  INFO 7092 --- [        main] org.hibernate.cfg.Environment            : HHH000406: Using bytecode reflection optimizer
2023-11-25T14:28:45.738-03:00  INFO 7092 --- [        main] o.s.o.j.p.SpringPersistenceUnitInfo      : No LoadTimeWeaver setup: ignoring JPA class transformer
2023-11-25T14:28:46.061-03:00  WARN 7092 --- [        main] org.hibernate.dialect.Dialect            : HHH000511: The 5.5.0 version for [org.hibernate.dialect.MySQLDialect] is no longer supported, hence certain features may not work properly. The minimum supported version is 5.7.0. Check the community dialects project for avai
lable legacy versions.
2023-11-25T14:28:48.910-03:00  INFO 7092 --- [        main] o.h.e.t.j.p.i.JtaPlatformInitiator       : HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform' to enable JTA platform integration)
2023-11-25T14:28:49.063-03:00  INFO 7092 --- [        main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2023-11-25T14:28:50.192-03:00  WARN 7092 --- [        main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning
2023-11-25T14:28:52.110-03:00  INFO 7092 --- [        main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port(s): 8080 (http) with context path ''
2023-11-25T14:28:52.222-03:00  INFO 7092 --- [        main] b.e.f.a.AulafateczlspringApplication     : Started AulafateczlspringApplication in 20.195 seconds (process running for 21.227)
```

```java
package br.edu.fateczl.aulafateczlspring.entity;

import br.edu.fateczl.aulafateczlspring.enumeration.Sexo;
import jakarta.persistence.Entity;
import jakarta.persistence.Id;
import jakarta.persistence.EnumType;
import jakarta.persistence.Enumerated;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.Table;

@Entity
@Table(name="aluno")
public class Aluno {
    @Id
    @GeneratedValue
    private long id;

    private String nome;

    @Enumerated(EnumType.STRING)
    private Sexo sexo;

    public long getId(){
        return id;
    }

    public void setId(long id){
        this.id = id;
    }

    public String getNome(){
        return nome;
    }

    public void setNome(String nome){
        this.nome = nome;
    }

    public Sexo getSexo(){
```

```java
public class Aluno {

    @Id
    @GeneratedValue
    private long id;

    private String nome;

    @Enumerated(EnumType.STRING)
    private Sexo sexo;

    public long getId(){
        return id;
    }

    public void setId(long id){
        this.id = id;
    }

    public String getNome(){
        return nome;
    }

    public void setNome(String nome){
        this.nome = nome;
    }

    public Sexo getSexo(){
        return sexo;
    }

    public void setSexo(Sexo sexo){
        this.sexo = sexo;
    }

}
```

```java
package br.edu.fateczl.aulafateczlspring.repository;

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

import br.edu.fateczl.aulafateczlspring.entity.Aluno;

public interface AlunoRepository extends JpaRepository<Aluno, Long>{

}
```

```java
public record AlunoService(AlunoRepository alunoRepository) {
    public Aluno salvar(Aluno aluno){
        return alunoRepository.save(aluno);

    }
}
```

```java
package br.edu.fateczl.aulafateczlspring.controller;

import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestBody;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;

import br.edu.fateczl.aulafateczlspring.entity.Aluno;
import br.edu.fateczl.aulafateczlspring.services.AlunoService;

@RestController
@RequestMapping("/aluno")
public record AlunoController(AlunoService alunoService) {
    @PostMapping
    public Aluno salvar(@RequestBody Aluno aluno){
        return alunoService.salvar(aluno);
    }
}
```

```java
package br.edu.fateczl.aulafateczlspring.enumeration;

public enum Sexo {
    M,
    F
}
```

aulafateczlspring

```java
package br.edu.fateczl.aulafateczlspring;

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

@SpringBootApplication
public class AulafateczlspringApplication {

    Run | Debug
    public static void main(String[] args) {
        SpringApplication.run(AulafateczlspringApplication.class, args);
    }

}
```

postman.com/payload-physicist-29020731/workspace/aulaspringfatec/request/31400502-697042a2-9b8b-42b4-a0c9-97ca6eba6d4c

Home   Workspaces   API Network   Explore

Search Postman

Invite   Upgrade

aulaSpringFatec   New   Import

Overview   New Collection   POST aluno

Collections

New Collection / aluno

Save

New Collection

POST aluno

POST   http://localhost:8080/aluno   Send

Params   Authorization   Headers (9)   Body   Pre-request Script   Tests   Settings   Cookies

none   form-data   x-www-form-urlencoded   raw   binary   GraphQL   JSON   Beautify

```
1  {
2      "nome": "Fernanda Goncalves de Lima 3",
3      "sexo": "F"
4  }
```

Body   Cookies   Headers (5)   Test Results   Status: 200 OK   Time: 536 ms   Size: 222 B   Save as example

Pretty   Raw   Preview   Visualize   JSON

```
1  {
2      "id": 52,
3      "nome": "Fernanda Goncalves de Lima 3",
4      "sexo": "F"
5  }
```

Online   Console   Postbot   Runner   Desktop Agent   Cookies   Trash

```
{
    "nome": "Teste Novo Aluno",
    "sexo": "M"
}
```

POST http://localhost:8080/aluno

Params Authorization Headers (9) Body • Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 31 ms Size: 210 B

Pretty Raw Preview Visualize JSON

```
{
    "id": 54,
    "nome": "Teste Novo Aluno",
    "sexo": "M"
}
```

No logs yet

Send a request to view its details in the console.

Servidor: 127.0.0.1 » Banco de dados: fateczlspringaula » Tabela: aluno

Visualizar | Estrutura | SQL | Procurar | Inserir | Exportar | Importar | Privilégios | Operações | Monitoramento | Acionadores

✓ Mostrando registros 0 - 2 (3 no total, Consulta levou 0.0005 segundos.)

SELECT * FROM `aluno`

☐ Perfil [Editar em linha] [Editar] [Demonstrar SQL] [Criar código PHP] [Atualizar]

☐ Mostrar tudo | Número de linhas: 25 | Filtrar linhas: [Procurar nesta tabela] | Ordenar pela chave: Nenhum

Opções extras

	id	nome	sexo
☐ 🖉 Editar 📋 Copiar ⊗ Remover	1	Fernanda Goncalves de Lima	F
☐ 🖉 Editar 📋 Copiar ⊗ Remover	2	Fernanda Goncalves de Lima 2	F
☐ 🖉 Editar 📋 Copiar ⊗ Remover	54	Teste Novo Aluno	M

↑ ☐ Marcar todos | Com marcados: 🖉 Editar 📋 Copiar ⊗ Remover 🖉 Exportar

☐ Mostrar tudo | Número de linhas: 25 | Filtrar linhas: [Procurar nesta tabela] | Ordenar pela chave: Nenhum

Operações resultantes das consultas

🖨 Imprimir | 📋 Copiar para a área de transferência | 📤 Exportar | 📊 Exibir gráfico | 📋 Criar view

📑 Marcar essa consulta SQL

Rótulo: [_____] ☐ Deixar qualquer usuário acessar esse marcador

[Marcar essa consulta SQL]

Console

Pressione Ctrl+Enter para executar consulta
> SELECT * FROM `aluno_seq`
> SELECT * FROM `aluno`
>