

```
package com.helloworld.hello.configuration;

import com.helloworld.hello.model.Coisa;
import com.helloworld.hello.repository.CoisaRepository;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.CommandLineRunner;
import org.springframework.context.annotation.Configuration;
import java.util.Arrays;
```

```
@Configuration
public class Config implements CommandLineRunner {

    @Autowired
    private CoisaRepository repository;

    @Override
    public void run(String... args) throws Exception {
        Coisa c1 = new Coisa(null, "Marcos", "Dessa");
        Coisa c2 = new Coisa(null, "Fulano", "Beltrano");
        this.repository.saveAll(Arrays.asList(c1, c2));
    }
}
```

```
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package com.helloworld.hello.controller;

import com.helloworld.hello.model.Coisa;
import com.helloworld.hello.repository.CoisaRepository;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.http.HttpStatus;
import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.RestController;

import java.util.ArrayList;

@RestController
public class Controller {

    @Autowired
    private CoisaRepository repository;

    @GetMapping("/getAll")
    public ResponseEntity<Object> getAll() {
        ArrayList<Coisa> coisas = this.repository.findAll();
        return ResponseEntity.status(HttpStatus.OK).body(coisas);
    }
}
```

```
package com.helloworld.hello.controller;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.GetMapping;

@Controller
public class RouterController {

    @GetMapping("/home")
    public String home() {
        return "index";
    }
}
```

```
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package com.helloworld.hello.model;

import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;

import java.io.Serializable;

@Entity
public class Coisa implements Serializable {
    private static final long serialVersionUID = 1L;

    @Id
    @GeneratedValue(strategy = GenerationType.AUTO)
    private Long id;
    private String atributo1;
    private String atributo2;

    public Coisa() {
    }

    public Coisa(Long id, String atributo1, String atributo2) {
        this.id = id;
        this.atributo1 = atributo1;
        this.atributo2 = atributo2;
    }

    // GETTERS & SETTERS
```

```
package com.helloworld.hello.repository;

import com.helloworld.hello.model.Coisa;
import org.springframework.data.jpa.repository.JpaRepository;

import java.util.ArrayList;

public interface CoisaRepository extends JpaRepository<Coisa, Long> {
    ArrayList<Coisa> findAll();
}
```

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Hello World</title>
</head>
<body>
<h1>Um Tremendo Hello World</h1>
<p>Este projeto vai ficar joia</p>
</body>
</html>
```

```
spring.application.name=hello

# DATASOURCE
spring.datasource.driverClassName=org.h2.Driver
spring.datasource.url=jdbc:h2:mem:testdb
spring.datasource.username=sa
spring.datasource.password=

# H2 CLIENT
spring.h2.console.enabled=true
spring.h2.console.path=/h2

# JPA, SQL
spring.jpa.database-platform=org.hibernate.dialect.H2Dialect
spring.jpa.defer-datasource-initialization=true
spring.jpa.show-sql=true
spring.jpa.properties.hibernate.format_sql=true
```

```
<?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 https://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>3.3.5</version>
        <relativePath/> <!-- lookup parent from repository -->
    </parent>
    <groupId>com.helloworld</groupId>
    <artifactId>hello</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <name>hello</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-data-jpa</artifactId>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-thymeleaf</artifactId>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-web</artifactId>
        </dependency>

        <dependency>
            <groupId>com.h2database</groupId>
            <artifactId>h2</artifactId>
            <scope>runtime</scope>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-test</artifactId>
            <scope>test</scope>
        </dependency>
    </dependencies>

    <build>
        <plugins>
            <plugin>
                <groupId>org.springframework.boot</groupId>
                <artifactId>spring-boot-maven-plugin</artifactId>
            </plugin>
        </plugins>
    </build>

</project>
```