Spring Data JPA - Quick Example

Code:

cproperties>

```
pom.xml:
<?xml version="1.0" encoding="UTF-8"?>
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
            <artifactId>spring-boot-starter-parent</artifactId>
            <version>3.5.3</version>
            <relativePath/> <!-- lookup parent from repository -->
      </parent>
      <groupId>com.example
      <artifactId>demo</artifactId>
      <version>0.0.1-SNAPSHOT</version>
      <name>demo</name>
      <description>Demo project for Spring Boot</description>
      <url/>
      clicenses>
            clicense/>
      </licenses>
      <developers>
            <developer/>
      </developers>
      <scm>
            <connection/>
            <developerConnection/>
            <tag/>
            <url/>
      </scm>
```

```
<java.version>17</java.version>
<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-web</artifactId>
      </dependency>
       <dependency>
              <groupId>com.h2database
              <artifactId>h2</artifactId>
              <scope>runtime</scope>
      </dependency>
       <dependency>
              <groupId>org.springframework.boot
              <artifactId>spring-boot-starter-test</artifactId>
              <scope>test</scope>
      </dependency>
</dependencies>
<build>
      <plugins>
              <plugin>
                     <groupId>org.springframework.boot
                     <artifactId>spring-boot-maven-plugin</artifactId>
              </plugin>
      </plugins>
</build>
```

</project>

DemoApplication.java:

```
package com.example.demo; import org.springframework.boot.SpringApplication; import org.springframework.boot.autoconfigure.SpringBootApplication;
```

```
@SpringBootApplication
public class DemoApplication {
    public static void main(String[] args) {
        SpringApplication.run(DemoApplication.class, args);
    }
}
```

Output:

}

```
package com.example.demo;
    3⊕ import org.springframework.boot.SpringApplication;
    6 @SpringBootApplication
    7 public class DemoApplication {
    90
                 public static void main(String[] args) {
  10
                         SpringApplication.run(DemoApplication.class, args);
  11
  12
  13
  14
                                                                                                                                          <terminated > DemoApplication \ [Java Application] \ C:\ [Program Files \ Vava \ ] \ dk-21 \ [bin \ ] \ avaw. exe \ (07-Jul-2025, 9:26:57 am - 9:27:21 am) \ [pid: 32568] \ [Program Files \ Vava \ ] \ (07-Jul-2025, 9:26:57 am - 9:27:21 am) \ [Program Files \ Vava \ ] \ (07-Jul-2025, 9:26:57 am - 9:27:21 am) \ [Program Files \ Vava \ Va
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              _)||_)||
                                                                   ) ) )
                            ======| |=======|
  :: Spring Boot ::
                                                                  (v3.5.3)
2025-07-07T09:27:00.398+05:30 INFO 32568 --- [demo] [
                                                                                                                             main] com.example.demo.DemoApplication
2025-07-07T09:27:00.401+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] com.example.demo.DemoApplication
2025-07-07T09:27:01.140+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] .s.d.r.c.RepositoryConfigurationDeleg
2025-07-07T09:27:01.171+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] .s.d.r.c.RepositoryConfigurationDeleg
2025-07-07T09:27:01.765+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] o.s.b.w.embedded.tomcat.TomcatWebServ
                                                                                                                              main] o.apache.catalina.core.StandardServic
2025-07-07T09:27:01.791+05:30 INFO 32568 --- [demo] [
2025-07-07T09:27:01.792+05:30 INFO 32568 --- [demo]
                                                                                                                              main] o.apache.catalina.core.StandardEngine
2025-07-07T09:27:01.866+05:30 INFO 32568 --- [demo] [
                                                                                                                             main] o.a.c.c.C.[Tomcat].[localhost].[/]
2025-07-07T09:27:01.868+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] w.s.c.ServletWebServerApplicationCont
2025-07-07T09:27:02.062+05:30 INFO 32568 --- [demo] [
                                                                                                                             main] com.zaxxer.hikari.HikariDataSource
2025-07-07T09:27:02.265+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] com.zaxxer.hikari.pool.HikariPool
2025-07-07T09:27:02.266+05:30 INFO 32568 --- [demo] [
                                                                                                                             main] com.zaxxer.hikari.HikariDataSource
2025-07-07T09:27:02.344+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] o.hibernate.jpa.internal.util.LogHelp
2025-07-07T09:27:02.412+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] org.hibernate.Version
2025-07-07T09:27:02.454+05:30 INFO 32568 --- [demo] [
                                                                                                                              main] o.h.c.internal.RegionFactoryInitiator
```