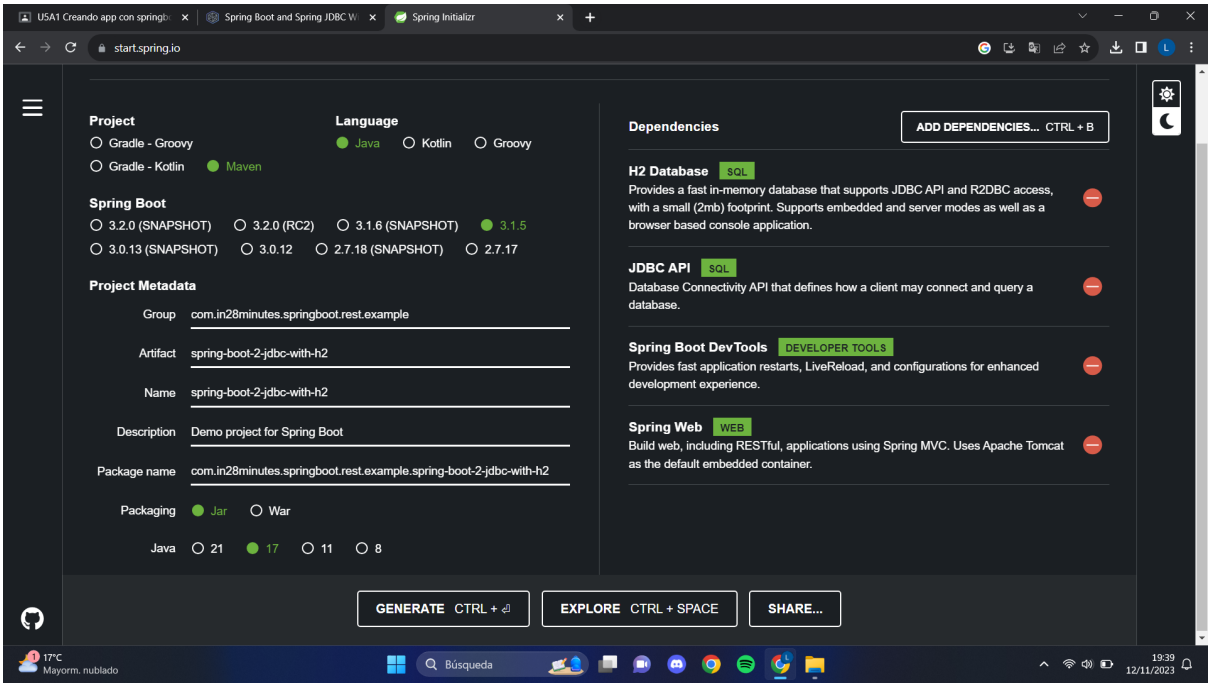
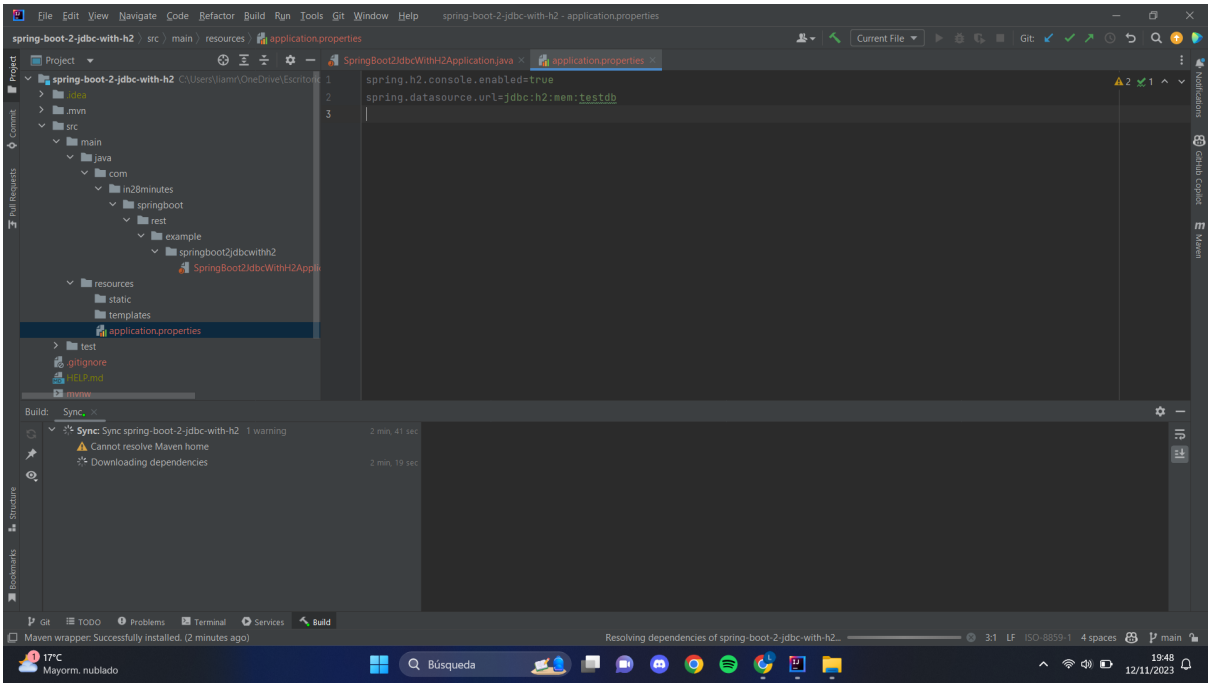
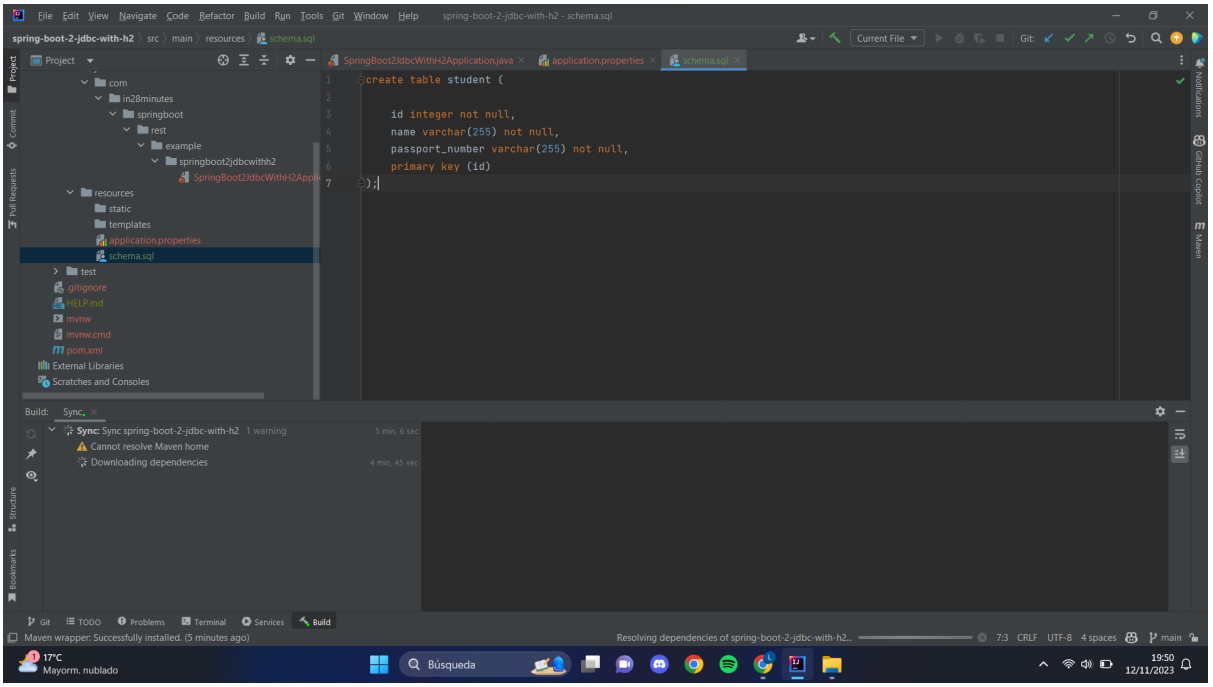
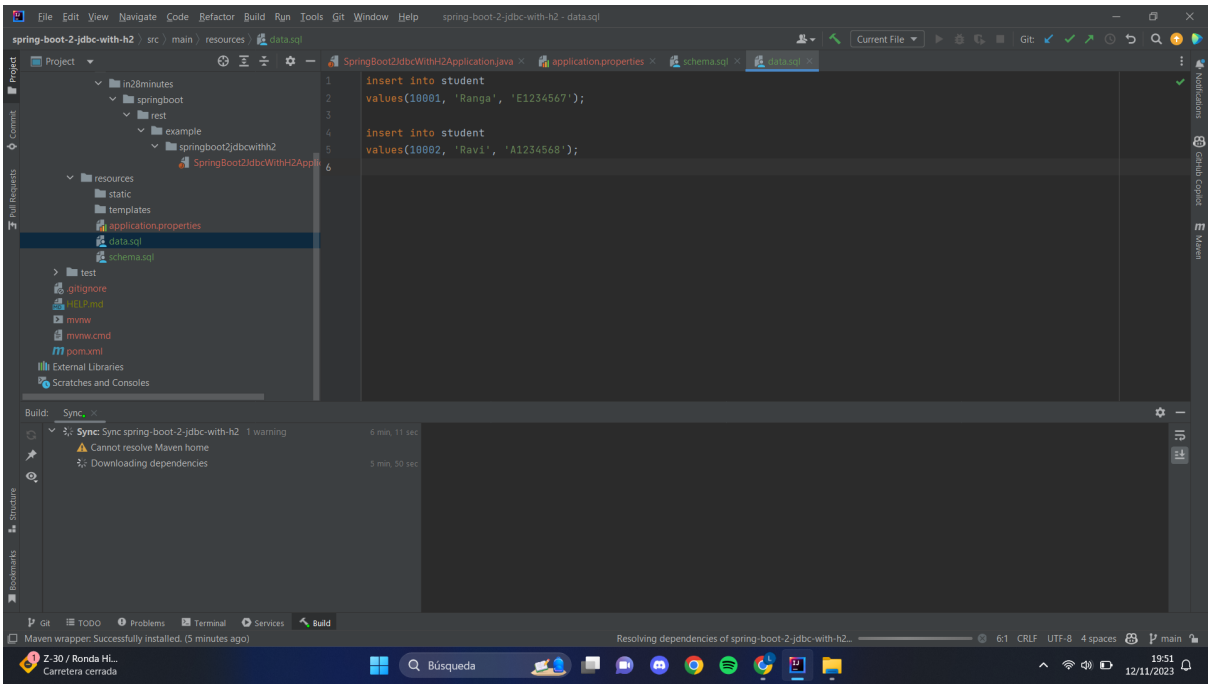
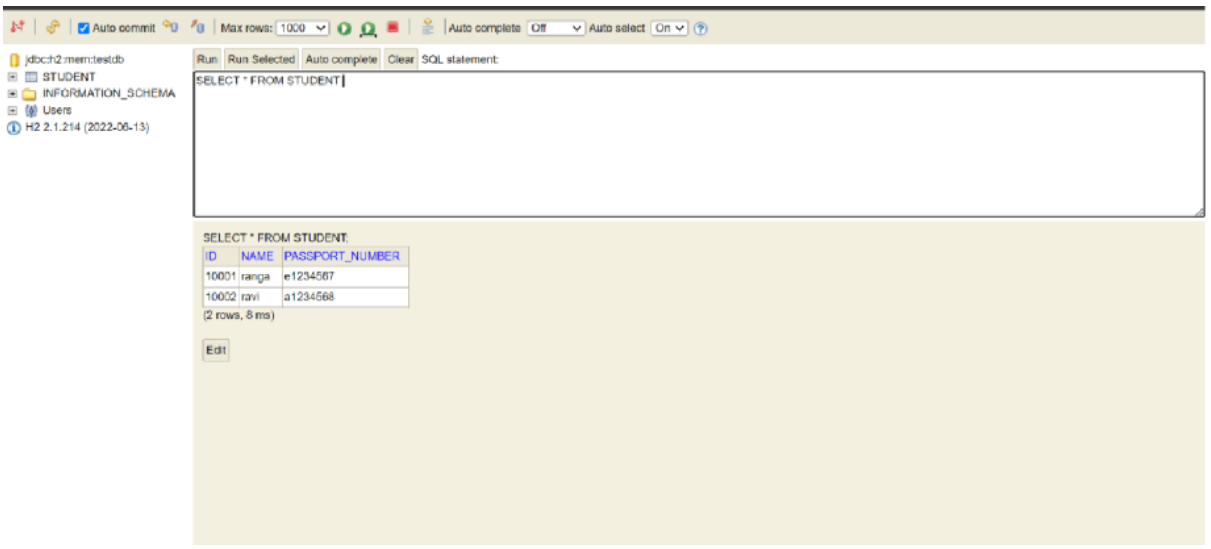
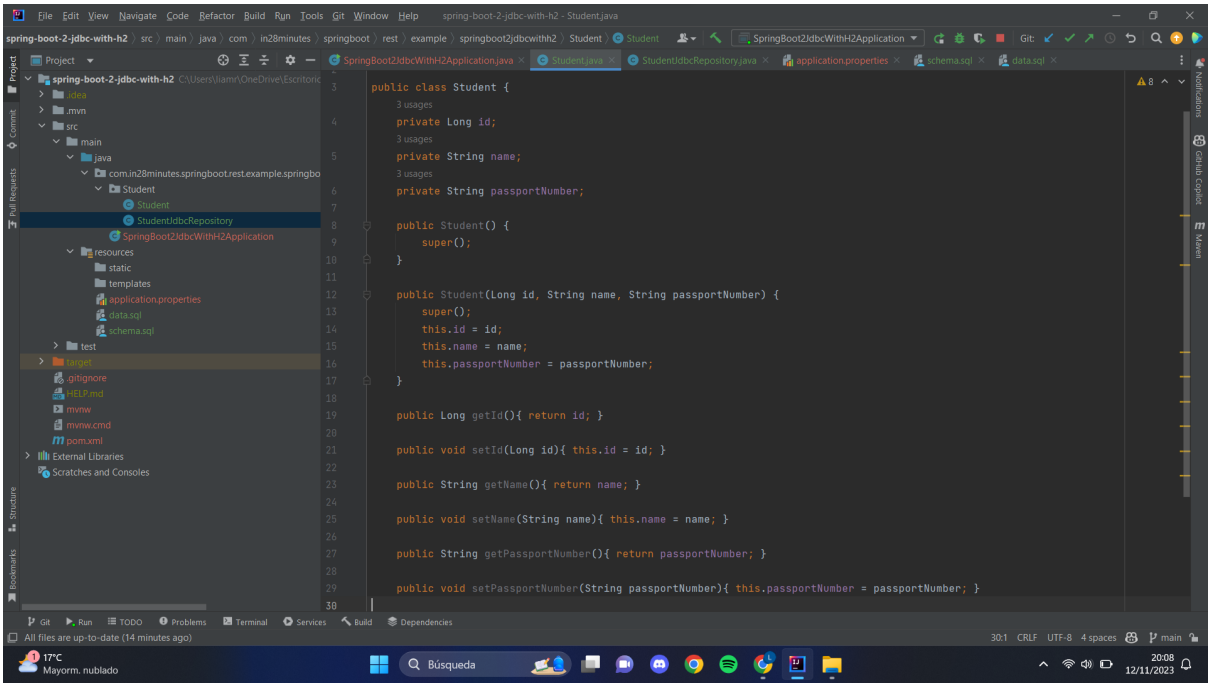

start.spring.io
Project
Gradle - Groovy
Gradle - Kotlin
Maven
Language
Java
Kotlin
Groovy
Spring Boot
3.2.0 (SNAPSHOT)
3.2.0 (RC2)
3.1.6 (SNAPSHOT)
3.1.5
3.0.13 (SNAPSHOT)
3.0.12
2.7.18 (SNAPSHOT)
2.7.17
Project Metadata
Group
com.in28minutes.springboot.rest.example
Artifact
spring-boot-2-jdbc-with-h2
Name
spring-boot-2-jdbc-with-h2
Description
Demo project for Spring Boot
Package name
com.in28minutes.springboot.rest.example.spring-boot-2-jdbc-with-h2
Packaging
Jar
War
Java
21
17
11
8
Dependencies
ADD DEPENDENCIES... CTRL + B
H2 Database
SQL
Provides a fast in-memory database that supports JDBC API and R2DBC access, with a small (2mb) footprint. Supports embedded and server modes as well as a browser based console application.
JDBC API
SQL
Database Connectivity API that defines how a client may connect and query a database.
Spring Boot DevTools
DEVELOPER TOOLS
Provides fast application restarts, LiveReload, and configurations for enhanced development experience.
Spring Web
WEB
Build web, including RESTful, applications using Spring MVC. Uses Apache Tomcat as the default embedded container.
GENERATE CTRL + ⏎
EXPLORE CTRL + SPACE
SHARE...

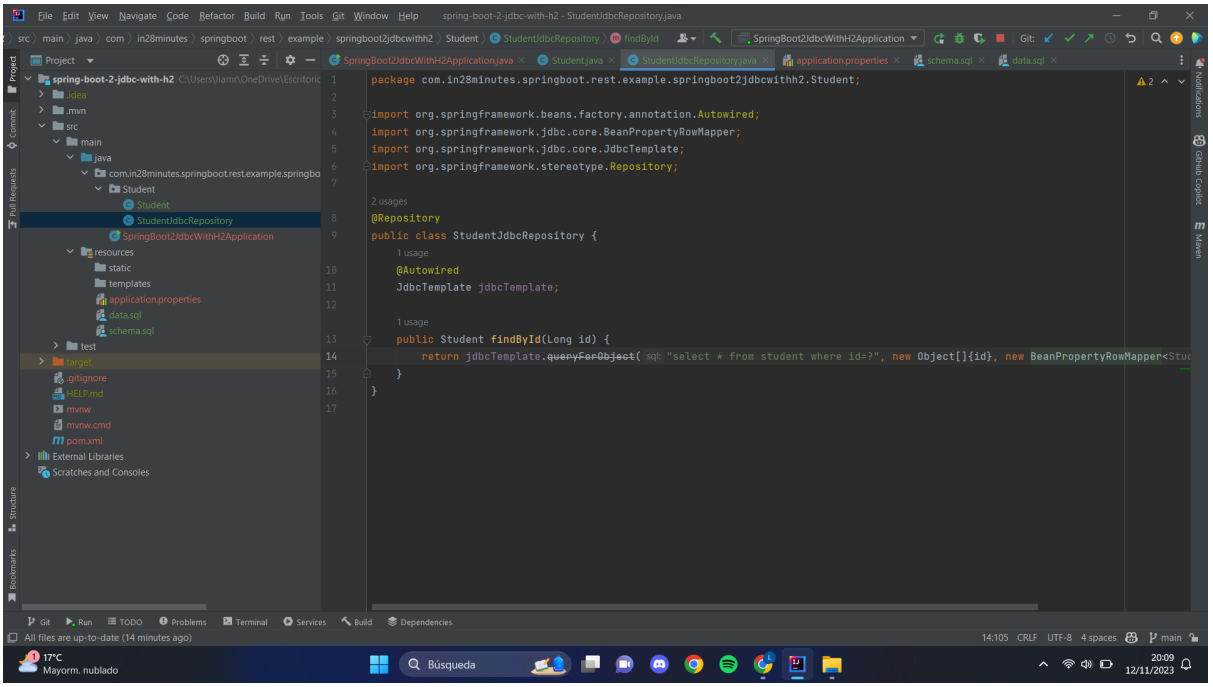

spring-boot-2-jdbc-with-h2 - application.properties
spring.h2.console.enabled=true
spring.datasource.url=jdbc:h2:mem:testdb
Sync: Sync spring-boot-2-jdbc-with-h2 1 warning
Cannot resolve Maven home
Downloading dependencies

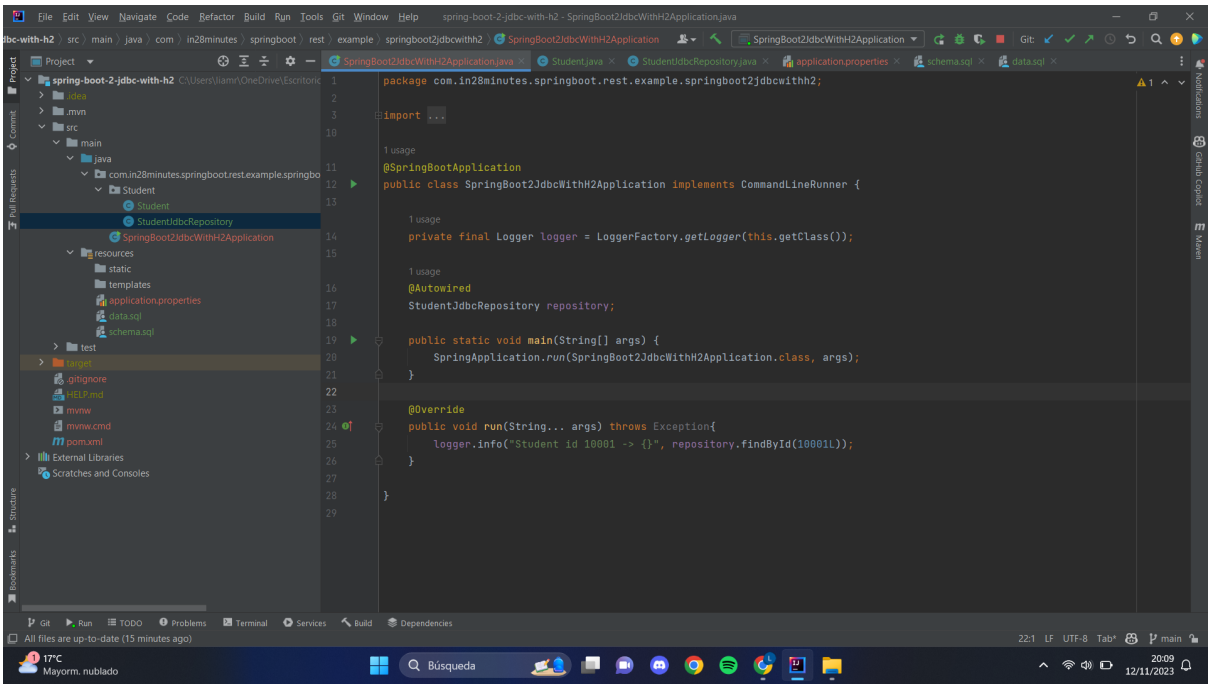

File Edit View Navigate Code Refactor Build Run Tools Git Window Help
spring-boot-2-jdbc-with-h2 - schema.sql
spring-boot-2-jdbc-with-h2 › src › main › resources › schema.sql
Project
com
in28minutes
springboot
rest
example
springboot2jdbcwithh2
resources
static
templates
application.properties
schema.sql
test
.gitignore
HELP.md
mvnw
mvnw.cmd
pom.xml
External Libraries
Scratches and Consoles
SpringBoot2JdbcWithH2Application.java
application.properties
schema.sql
create table student (
id integer not null,
name varchar(255) not null,
passport_number varchar(255) not null,
primary key (id)
);
Build: Sync
Sync: Sync spring-boot-2-jdbc-with-h2 1 warning
Cannot resolve Maven home
Downloading dependencies
Git TODO Problems Terminal Services Build
Maven wrapper: Successfully installed. (5 minutes ago)
Resolving dependencies of spring-boot-2-jdbc-with-h2...
17°C
Mayorm. nublado
Búsqueda
19:50
12/11/2023

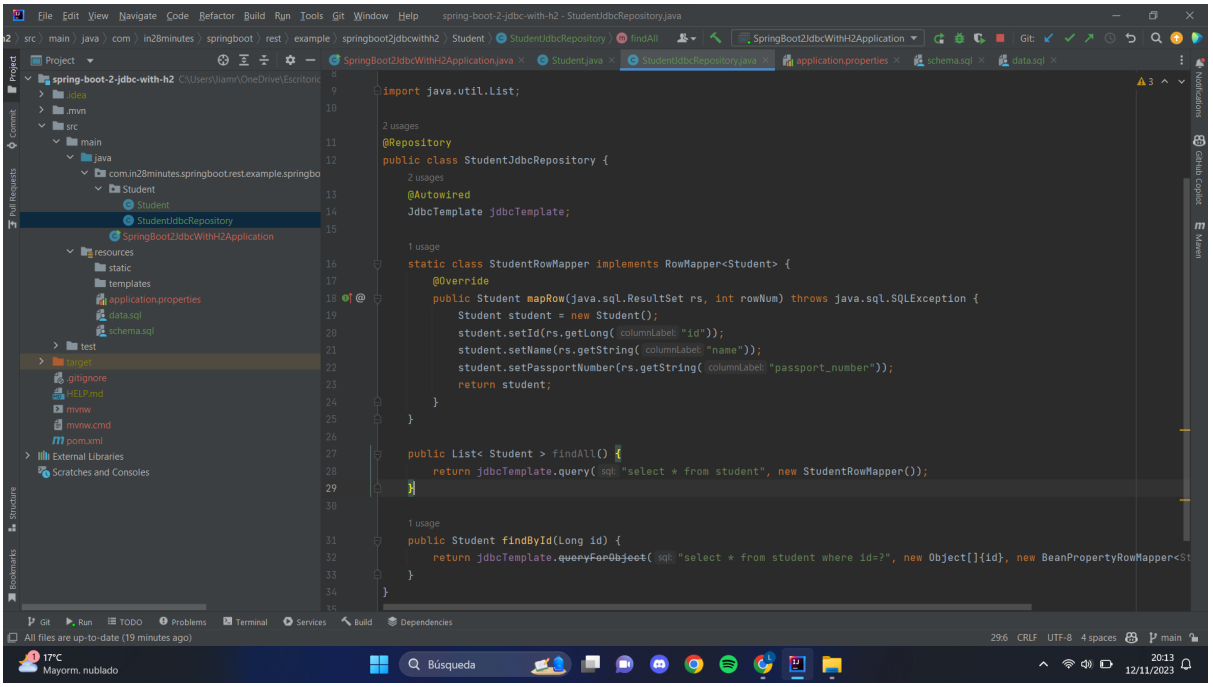

File Edit View Navigate Code Refactor Build Run Tools Git Window Help
spring-boot-2-jdbc-with-h2 - data.sql
spring-boot-2-jdbc-with-h2 › src › main › resources › data.sql
Project
in28minutes
springboot
rest
example
springboot2jdbcwithh2
resources
static
templates
application.properties
data.sql
schema.sql
test
.gitignore
HELP.md
mvnw
mvnw.cmd
pom.xml
External Libraries
Scratches and Consoles
SpringBoot2JdbcWithH2Application.java
application.properties
schema.sql
data.sql
insert into student
values(10001, 'Ranga', 'E1234567');
insert into student
values(10002, 'Ravi', 'A1234568');
Build: Sync
Sync: Sync spring-boot-2-jdbc-with-h2 1 warning
Cannot resolve Maven home
Downloading dependencies
Git TODO Problems Terminal Services Build
Maven wrapper: Successfully installed. (5 minutes ago)
Resolving dependencies of spring-boot-2-jdbc-with-h2...
Z-30 / Ronda Hi...
Carretera cerrada
Búsqueda
19:51
12/11/2023

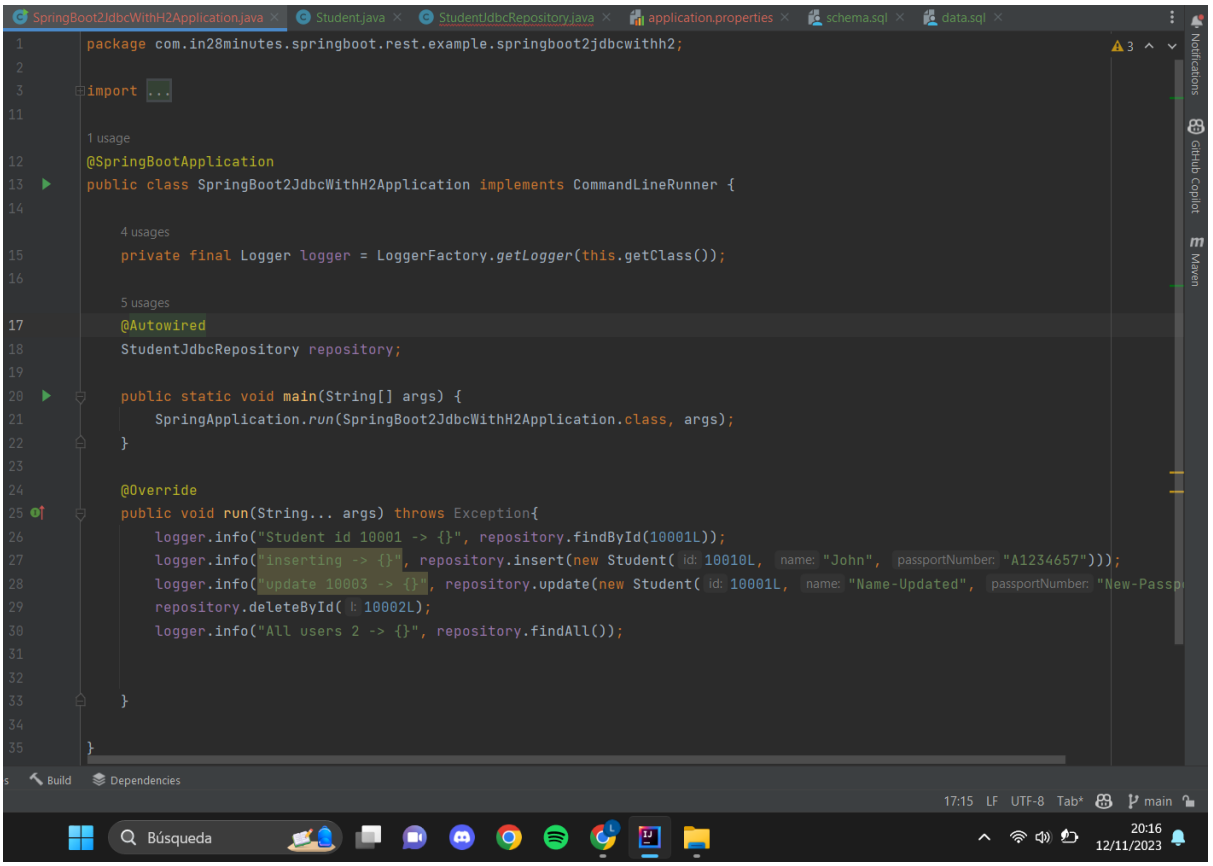

Auto commit
Max rows: 1000
Auto complete Off
Auto select On
jdbc:h2:mem:testdb
STUDENT
INFORMATION_SCHEMA
Users
H2 2.1.214 (2022-06-13)
Run
Run Selected
Auto complete
Clear
SQL statement:
SELECT * FROM STUDENT
SELECT * FROM STUDENT;
ID NAME PASSPORT_NUMBER
10001 ranga e1234567
10002 ravi a1234568
(2 rows, 8 ms)
Edit

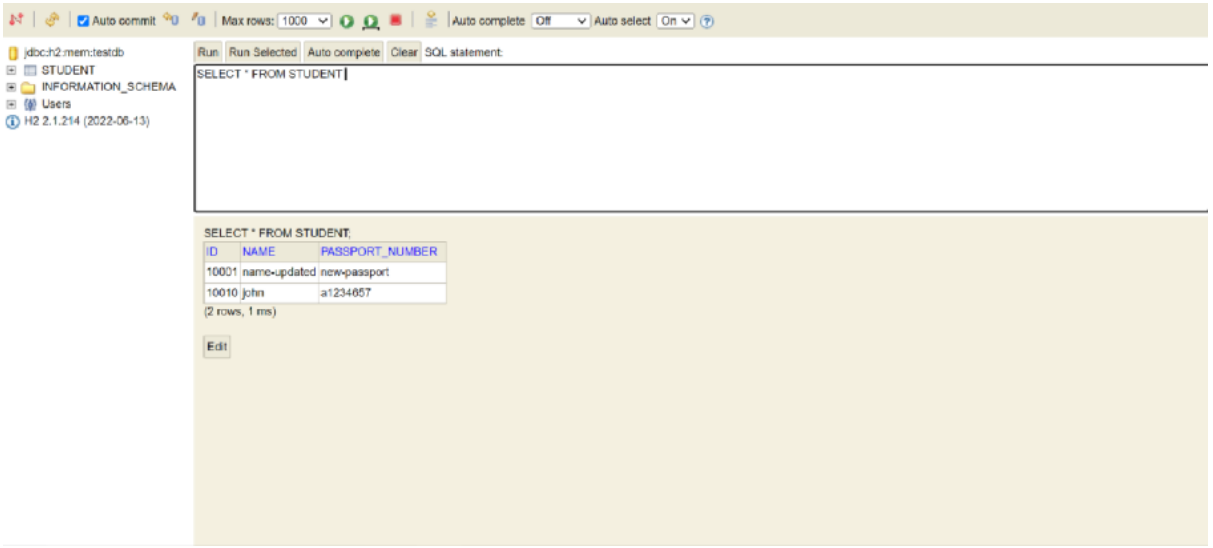

File Edit View Navigate Code Refactor Build Run Tools Git Window Help
spring-boot-2-jdbc-with-h2 - Student.java
spring-boot-2-jdbc-with-h2
Project
SpringBoot2JdbcWithH2Application.java
Student.java
StudentJdbcRepository.java
application.properties
schema.sql
data.sql
public class Student {
3 usages
private Long id;
3 usages
private String name;
3 usages
private String passportNumber;
public Student() {
super();
}
public Student(Long id, String name, String passportNumber) {
super();
this.id = id;
this.name = name;
this.passportNumber = passportNumber;
}
public Long getId(){ return id; }
public void setId(Long id){ this.id = id; }
public String getName(){ return name; }
public void setName(String name){ this.name = name; }
public String getPassportNumber(){ return passportNumber; }
public void setPassportNumber(String passportNumber){ this.passportNumber = passportNumber; }
All files are up-to-date (14 minutes ago)
17°C
Mayorm. nublado
Búsqueda
20:08
12/11/2023


File Edit View Navigate Code Refactor Build Run Tools Git Window Help
spring-boot-2-jdbc-with-h2 - StudentJdbcRepository.java
SpringBoot2JdbcWithH2Application
Project
spring-boot-2-jdbc-with-h2
SpringBoot2JdbcWithH2Application.java
Student.java
StudentJdbcRepository.java
application.properties
schema.sql
data.sql
package com.in28minutes.springboot.rest.example.springboot2jdbcwithh2.Student;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.jdbc.core.BeanPropertyRowMapper;
import org.springframework.jdbc.core.JdbcTemplate;
import org.springframework.stereotype.Repository;
2 usages
@Repository
public class StudentJdbcRepository {
1 usage
@Autowired
JdbcTemplate jdbcTemplate;
1 usage
public Student findById(Long id) {
return jdbcTemplate.queryForObject(sql: "select * from student where id=?", new Object[]{id}, new BeanPropertyRowMapper<Stu
}
}
Git Run TODO Problems Terminal Services Build Dependencies
All files are up-to-date (14 minutes ago)
14:105 CRLF UTF-8 4 spaces main
17°C
Mayorm. nublado
Búsqueda
20:09
12/11/2023


File Edit View Navigate Code Refactor Build Run Tools Git Window Help
spring-boot-2-jdbc-with-h2 - SpringBoot2JdbcWithH2Application.java
SpringBoot2JdbcWithH2Application
Project
spring-boot-2-jdbc-with-h2
SpringBoot2JdbcWithH2Application.java
Student.java
StudentJdbcRepository.java
application.properties
schema.sql
data.sql
package com.in28minutes.springboot.rest.example.springboot2jdbcwithh2;
import ...
1 usage
@SpringBootApplication
public class SpringBoot2JdbcWithH2Application implements CommandLineRunner {
1 usage
private final Logger logger = LoggerFactory.getLogger(this.getClass());
1 usage
@Autowired
StudentJdbcRepository repository;
public static void main(String[] args) {
SpringApplication.run(SpringBoot2JdbcWithH2Application.class, args);
}
@Override
public void run(String... args) throws Exception{
logger.info("Student id 10001 -> {}", repository.findById(10001L));
}
}
Git Run TODO Problems Terminal Services Build Dependencies
All files are up-to-date (15 minutes ago)
22:1 LF UTF-8 Tab* main
17°C
Mayorm. nublado
Búsqueda
20:09
12/11/2023


File Edit View Navigate Code Refactor Build Run Tools Git Window Help
spring-boot-2-jdbc-with-h2 - StudentJdbcRepository.java
SpringBoot2JdbcWithH2Application.java
Student.java
StudentJdbcRepository.java
application.properties
schema.sql
data.sql
import java.util.List;
@Repository
public class StudentJdbcRepository {
@Autowired
JdbcTemplate jdbcTemplate;
static class StudentRowMapper implements RowMapper<Student> {
@Override
public Student mapRow(java.sql.ResultSet rs, int rowNum) throws java.sql.SQLException {
Student student = new Student();
student.setId(rs.getLong(columnLabel: "id"));
student.setName(rs.getString(columnLabel: "name"));
student.setPassportNumber(rs.getString(columnLabel: "passport_number"));
return student;
}
}
public List< Student > findAll() {
return jdbcTemplate.query(sql: "select * from student", new StudentRowMapper());
}
public Student findById(Long id) {
return jdbcTemplate.queryForObject(sql: "select * from student where id=?", new Object[]{id}, new BeanPropertyRowMapper<St
}
}
Git Run TODO Problems Terminal Services Build Dependencies
All files are up-to-date (19 minutes ago)
29:6 CRLF UTF-8 4 spaces main
17°C
Mayorm. nublado
Búsqueda
20:13
12/11/2023


SpringBoot2JdbcWithH2Application.java
Student.java
StudentJdbcRepository.java
application.properties
schema.sql
data.sql
package com.in28minutes.springboot.rest.example.springboot2jdbcwithh2;
import ...
1 usage
@SpringBootApplication
public class SpringBoot2JdbcWithH2Application implements CommandLineRunner {
4 usages
private final Logger logger = LoggerFactory.getLogger(this.getClass());
5 usages
@Autowired
StudentJdbcRepository repository;
public static void main(String[] args) {
SpringApplication.run(SpringBoot2JdbcWithH2Application.class, args);
}
@Override
public void run(String... args) throws Exception{
logger.info("Student id 10001 -> {}", repository.findById(10001L));
logger.info("inserting -> {}", repository.insert(new Student(id: 10010L, name: "John", passportNumber: "A1234657")));
logger.info("update 10003 -> {}", repository.update(new Student(id: 10001L, name: "Name-Updated", passportNumber: "New-Passp
repository.deleteById(l: 10002L);
logger.info("All users 2 -> {}", repository.findAll());
}
}
Build Dependencies
17:15 LF UTF-8 Tab* main
Búsqueda
20:16
12/11/2023


Auto commit
Max rows: 1000
Auto complete Off
Auto select On
jdbc:h2:mem:testdb
STUDENT
INFORMATION_SCHEMA
Users
H2 2.1.214 (2022-06-13)
Run
Run Selected
Auto complete
Clear
SQL statement:
SELECT * FROM STUDENT
SELECT * FROM STUDENT;
ID NAME PASSPORT_NUMBER
10001 name-updated new-passport
10010 john a1234657
(2 rows, 1 ms)
Edit