**Spring Data JPA in Eclipse**

**Employee.java**

**package** com.example.springdatademo;

**import** jakarta.persistence.\*;

@Entity

@Table(name = "employees")

**public** **class** Employee {

@Id

@GeneratedValue(strategy = GenerationType.***IDENTITY***)

**private** Integer id;

**private** String name;

**private** String department;

// Getters and Setters

**public** Integer getId() { **return** id; }

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

**public** String getName() { **return** name; }

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

**public** String getDepartment() { **return** department; }

**public** **void** setDepartment(String department) { **this**.department = department; }

}

**EmployeeRepository.java**

package com.example.springdatademo;

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

public interface EmployeeRepository extends JpaRepository<Employee, Integer> {

}

**EmployeeService.java**

package com.example.springdatademo;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

@Service

public class EmployeeService {

@Autowired

private EmployeeRepository employeeRepository;

@Transactional

public void addEmployee(Employee employee) {

employeeRepository.save(employee);

}

}

**application.properties**

spring.datasource.url=jdbc:h2:mem:testdb

spring.datasource.driver-class-name=org.h2.Driver

spring.datasource.username=sa

spring.datasource.password=

spring.jpa.hibernate.ddl-auto=update

spring.jpa.show-sql=true

spring.jpa.database-platform=org.hibernate.dialect.H2Dialect

spring.h2.console.enabled=true

spring.h2.console.path=/h2-console

server.port=8082

**SpringdataDemoApplication.java**

package com.example.springdatademo;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SpringdataDemoApplication {

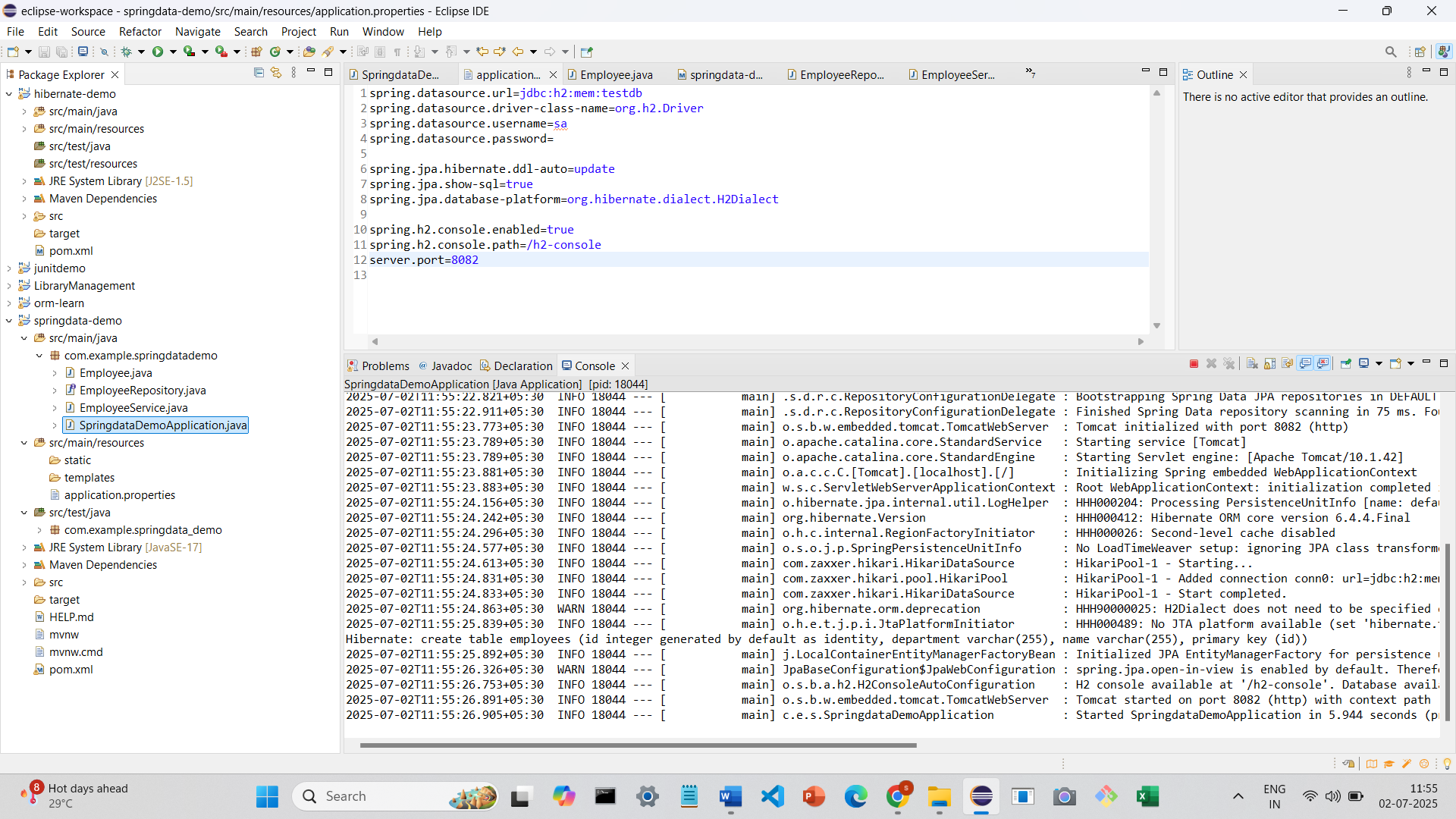
public static void main(String[] args) {

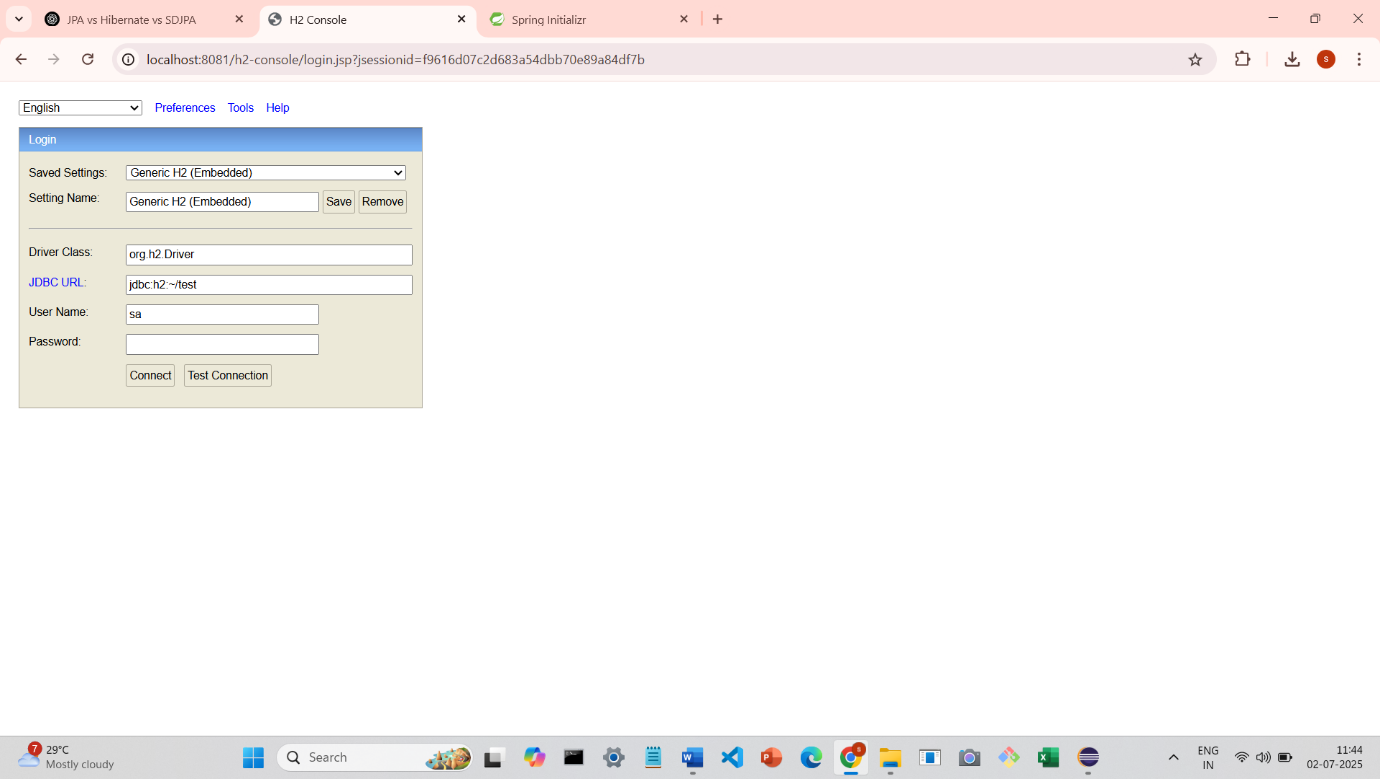
SpringApplication.*run*(SpringdataDemoApplication.class, args);

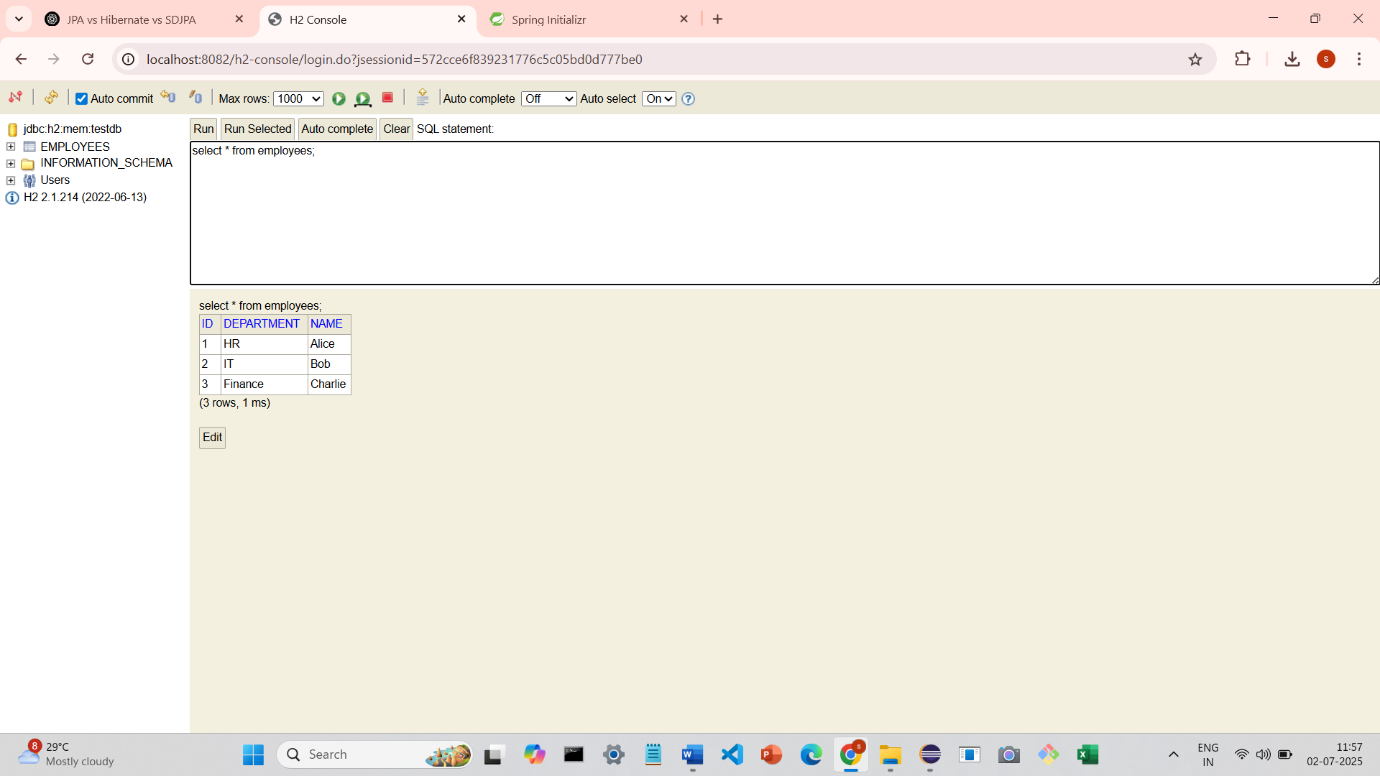
}

}

Outputs:





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