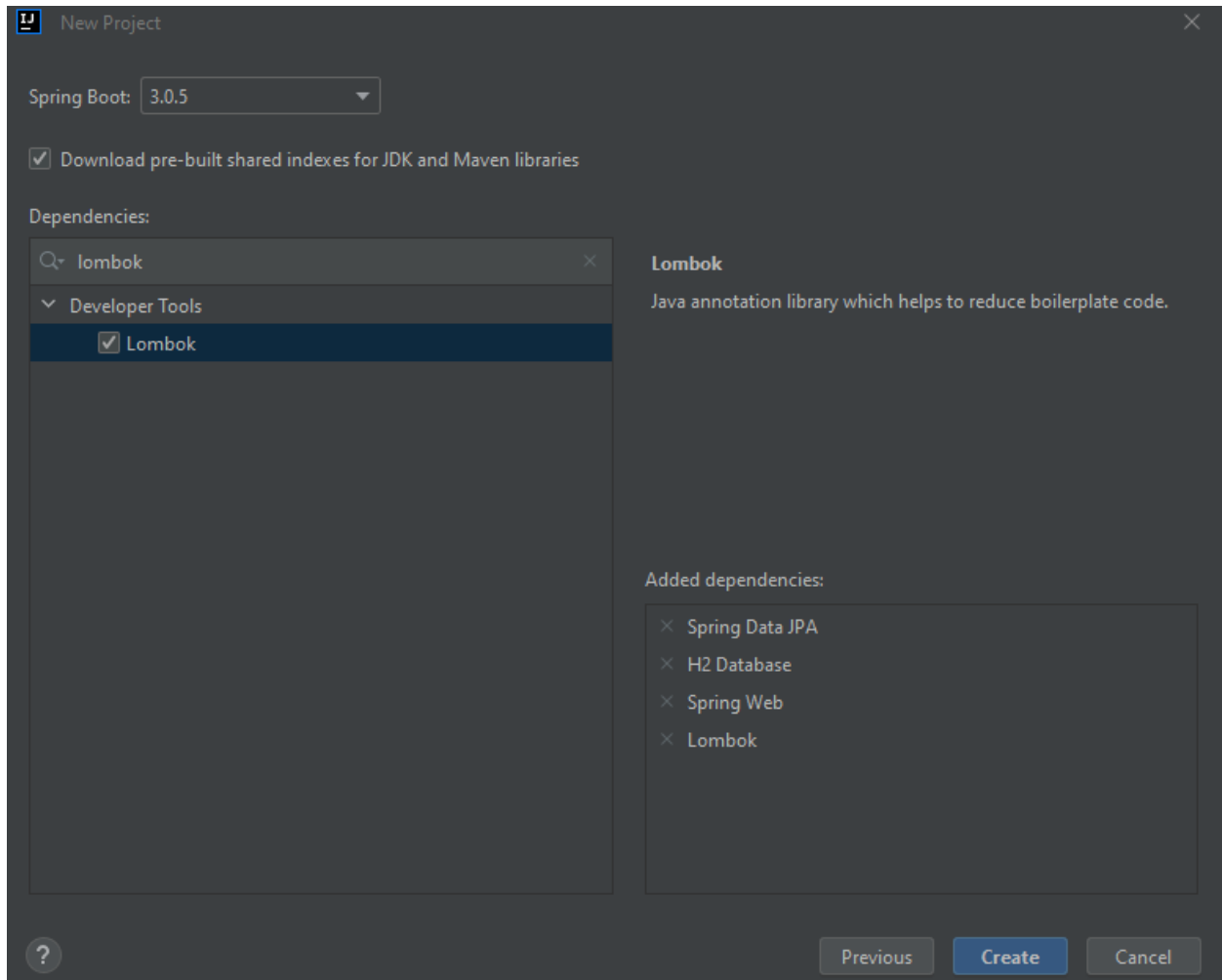


Acitivite 2 JEE/ Spring Boot - ORM avec Spring Data JPA

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Partie 1 APP jpaap

1. La création d app avec dépendances



2.Code de class Patient

```

package ma.enset.jpaap.entities;

import jakarta.persistence.*;
import lombok.AllArgsConstructor;
import lombok.Data;
import lombok.NoArgsConstructor;

import java.util.Date;

9 usages
@Entity
@Data //permet l'ajout des getters et setters
@NoArgsConstructor @AllArgsConstructor
public class Patient {
    @Id @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Long id;
    @Column(length = 50)
    private String nom;
    @Temporal(TemporalType.DATE)
    private Date dateNaissance;
    private boolean malade;
    private int score;
}

```

3. Configuration du fichier application.properties

```

1
2 spring.datasource.url=jdbc:mysql://localhost:3306/DBP?createDatabaseIfNotExist=true
3 spring.datasource.username=root
4 spring.datasource.password=
5 #spring.h2.console.enabled=true
6 server.port=8082
7 spring.jpa.hibernate.ddl-auto=update
8 spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MariaDBDialect
9 spring.jpa.show-sql=true
10

```

4. Demarrer H2database

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Login

Saved Settings: Generic H2 (Embedded) ▼

Setting Name: Generic H2 (Embedded) Save Remove

Driver Class: jdbc:h2:mem:patient-db

JDBC URL: jdbc:h2:mem:patient-db

User Name: sa

Password:

Connect Test Connection

5.Code de l'interface Patient Rep

```

1 package ma.enset.jpaa.repositories;
2
3 import ma.enset.jpaa.entities.Patient;
4 import org.springframework.data.domain.Page;
5 import org.springframework.data.domain.Pageable;
6 import org.springframework.data.jpa.repository.JpaRepository;
7 import org.springframework.data.jpa.repository.Query;
8 import org.springframework.data.repository.query.Param;
9
10 import java.util.Date;
11 import java.util.List;
12
13 no usages
14 public interface PatientRepository extends JpaRepository<Patient,Long> {
15     no usages
16     public List<Patient> findByMalade(boolean m);
17     no usages
18     Page<Patient> findByMalade(boolean m , Pageable pageable);
19     no usages
20     List<Patient> findByMaladeAndScoreLessThan(boolean m , int score);
21     no usages
22     List<Patient> findByMaladeIsTrueAndScoreLessThan(int score);
23     no usages
24     List<Patient> findByDateNaissanceBetweenAndMaladeIsTrueOrNomLike(Date d1, Date d2, String mc);
25     no usages
26     @Query("select p from Patient p where p.nom like :x and p.score < :y")
27     List<Patient> chercherPatients(@Param("x") String nom, @Param("y") int scoreMin);
28 }

```

6. Filtrer les malades

```
=====
2
yassine
2023-04-18
true
98
=====
3
yassine
2023-04-18
true
60
=====
5
yassine
2023-04-18
true
85
=====
6
yassine
2023-04-18
true
53
*****
```