

COMPTE RENDU DU TP

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```
package com.example.firstapp;

import ...

1 usage  👤 BasmaChahdi30
@SpringBootApplication
public class FirstAppApplication implements CommandLineRunner {
    13 usages
    @Autowired
    private StudentRepository studentRepository;
    no usages  👤 BasmaChahdi30
    public static void main(String[] args) { SpringApplication.run(FirstAppApplication.class, args); }
    no usages  👤 BasmaChahdi30

no usages  👤 BasmaChahdi30
@Override
public void run(String... args) throws Exception {
    System.out.println("***** Insertion *****");
    studentRepository.save(new Student(null, "A1", "Amine", new Date(), true, null, null));
    studentRepository.save(new Student(null, "A2", "Ilyas", new Date(), true, null, null));
    studentRepository.save(new Student(null, "A3", "Saad", new Date(), true, null, null));
    studentRepository.save(new Student(null, "A4", "Arij", new Date(), true, null, null));
    studentRepository.save(new Student(null, "A5", "Lina", new Date(), true, null, null));
    System.out.println("***** Inserted rows *****");
    System.out.println("Count : "+studentRepository.count());
    System.out.println("***** Display rows *****");
    List<Student> students = studentRepository.findAll();
    System.out.println("***** Inserted rows *****");
    System.out.println("Count : "+studentRepository.count());
    System.out.println("***** Display rows *****");
    List<Student> students = studentRepository.findAll();
    students.forEach(student -> {
        System.out.println(student.toString());
    });
    System.out.println("***** Get Element By ID *****");
    Student student = studentRepository.findById(3).orElse(null);
    System.out.println(student.toString());
    System.out.println("***** Update an Element *****");
    student.setRegistrationNumber("S3");
    studentRepository.save(student);
    System.out.println("***** Delete an Element *****");
    studentRepository.delete(student);
}
```

```
package com.example.TP_JPA.Entities;
```

```
import ...
```

```
no usages  👤 BasmaChahdi30
```

```
@Entity
```

```
@Data
```

```
@AllArgsConstructor
```

```
@NoArgsConstructor
```

```
public class Course {
```

```
no usages
```

```
@Id
```

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

```
private int id;
```

```
private int id;
```

```
no usages
```

```
@Column(length = 25, nullable = false, unique = false)
```

```
private String title;
```

```
no usages
```

```
private String description;
```

```
no usages
```

```
private int timing;
```

```
no usages
```

```
@OneToOne(mappedBy = "course")
```

```
private Professor professor;
```

```
no usages
```

```
@OneToMany
```

```
private Collection<Session> sessions;
```

```
package com.example.TP_JPA.Entities;
```

```
import ...
```

```
no usages  👤 BasmaChahdi30
```

```
@Entity
```

```
@Data
```

```
@AllArgsConstructor
```

```
@NoArgsConstructor
```

```
public class Professor {
```

```
no usages
```

```
@Id
```

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

```
private int id;
```

```

@GeneratedValue(strategy = GenerationType.IDENTITY)
private int id;
no usages
@Column(length = 30, nullable = false)
private String fullName;
no usages
@Temporal(TemporalType.DATE) @CreationTimestamp
private Date assignmentDate;
no usages
@OneToOne
private Course course;

```

```

package com.example.TP_JPA.Entities;

import ...


no usages  👤 BasmaChahdi30
@Entity
@Data
@AllArgsConstructor @NoArgsConstructor
public class Session {
    no usages
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id;
    no usages
    @Temporal(TemporalType.DATE)

```

```

private int id;
no usages
@Temporal(TemporalType.DATE)
private Date date;
no usages
@Temporal(TemporalType.TIME)
private Date start_time;
no usages
@Temporal(TemporalType.TIME)
private Date end_time;
no usages
@ManyToOne
private Student student;
no usages
@ManyToOne

```

no usages  BasmaChahdi30

```
@Entity @Table(name="EMSI_STUDENTS")
@Data @AllArgsConstructor @NoArgsConstructor
public class Student {
    no usages
    @Id @GeneratedValue(strategy = GenerationType.IDENTITY)
    private Integer id;
    no usages
    @Column(name = "REGISTRATION_N",unique = true)
    private String registrationNumber;
    no usages
    @Column(name = "Name",length = 30,nullable = false)
    private String fullName;
```

```
@Temporal(TemporalType.DATE)
private Date birthday;
no usages
private Boolean stillActive;
no usages
@Temporal(TemporalType.TIMESTAMP) @CreationTimestamp
private Date lastConnection;
no usages
@OneToMany
private Collection<Session> sessions;
```

```
spring.datasource.url=jdbc:mysql://localhost:3306/Etudiant?createDatabaseIfNotExist=true
spring.datasource.username=root
server.port=8082
spring.jpa.hibernate.ddl-auto = update
spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MariaDBDialect
spring.jpa.show-sql=true
```