

NOMBRE	CICLO FORMATIVO	CURSO
	DAW/DAM	1 st
FECHA	MODULO	CONVOCATORIA
June 5 th 2024	PROGRAMMING	Ordinary (SERVER)

After executing the examen.sql script perform the following actions:

(how to execute it: `mysql -u root -p < examen.sql`)

1. **(2,0p → 0.4p each function)** Create on table **House** basic CRUD operations following the next interface:

```
import java.sql.SQLException;
import java.util.List;

public interface IHouseRepository {
    House getHouseById(int id) throws SQLException;
    List<House> getAllHouses() throws SQLException;
    House deleteHouseById(int id) throws SQLException;
    House updateHouse(House house) throws SQLException;
    House addHouse(House house) throws SQLException;
}
```

Use CallableStatement for getAllHouses and addHouse and PreparedStatement for the rest of them.

You can use following class to access to MySQL database:

```
import com.mysql.cj.jdbc.MysqlDataSource;
import javax.sql.DataSource;

public class MyDataSource {
    public static DataSource getMySQLDataSorcer() {
        MysqlDataSource dataSource = new MysqlDataSource();
        dataSource.setUser("examen");
        dataSource.setPassword("1234");
        dataSource.setURL("jdbc:mysql://localhost:3306/examenPRG2324");
        return dataSource;
    }
}
```

HINT: To download the JDBC, remember to add the following lines in the pom.xml file:

```
<dependency>
  <groupId>mysql</groupId>
  <artifactId>mysql-connector-java</artifactId>
  <version>8.0.33</version>
</dependency>
```