

Ejercicio 2.

1.

```
100, 4 minutes ago | 1 author (100)  
@Access(AccessType.FIELD)  
@Entity  
// @Table(name = "EMP", schema = "modulol1")  
public class Employee {  
  
    @Id  
    private int id;  
    private String name;  
    private long salary;  
    private EmployeeType type;  
    @Enumerated(EnumType.STRING)  
    private EmployeeType previousType;  
}
```

```
KEVIN ARTURO LARA SÁLA  
16:52:42.546 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, PREVIOUS_TYPE, SALARY, TYPE FROM EMPLOYEE  
Empleados localizados  
Employee [id=100, name=OSCAR, salary=1000, type=FULL_TIME_EMPLOYEE]  
Employee [id=200, name=PAULA, salary=2000, type=PART_TIME_EMPLOYEE]  
Employee [id=300, name=NADIA, salary=3000, type=CONTRACT_EMPLOYEE]  
Employee [id=400, name=RAUL, salary=4000, type=CONTRACT_EMPLOYEE]  
kevinlara@mila:/media/kevinlara/LinuxStorage1/Documents/Diplomado_Java/Java_Diplomat/Modulol1/Practicas/2$
```

2.

```
@Id  
@GeneratedValue(strategy = GenerationType.IDENTITY)  
private int id;  
private String name;  
private long salary;
```

```
KEVIN ARTURO LARA SÁLA  
17:27:49.813 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, SALARY FROM EMPLOYEE  
Empleados localizados  
Employee [id=100, name=Oscar, salary=1000, convertedName=OSCAR]  
Employee [id=200, name=Paula, salary=2000, convertedName=PAULA]  
Employee [id=300, name=Nadia, salary=3000, convertedName=NADIA]  
kevinlara@mila:/media/kevinlara/LinuxStorage1/Documents/Diplomado_Java/Java_Diplomat/Modulol1/Practicas/2$
```

3.

```
import jakarta.persistence.Access;
import jakarta.persistence.AccessType;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.OneToOne;
import jakarta.persistence.TableGenerator;

You, 2 minutes ago | 1 author (You)
@Entity
@Table(name = "EMP", schema = "moduloll")
public class Employee {

    @Id
    @TableGenerator(name = "Emp_Gen", table = "ID_GEN",
        pkColumnName = "GEN_NAME", valueColumnName =
        "GEN_VAL")
    @GeneratedValue(strategy = GenerationType.TABLE,
        generator = "Emp_Gen")
    private int id;
    private String name;
    private long salary;

    @OneToOne
    private Address address;

    public Employee() {
    }

}

import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.TableGenerator;

@Entity
public class Address {

    @TableGenerator(name = "Address_Gen", table =
        "ID_GEN", pkColumnName = "GEN_NAME", pkColumnValue =
        "Addr_Gen", valueColumnName = "GEN_VAL", initialVal
        = 10000, allocationSize = 100)
    @Id
    @GeneratedValue(strategy = GenerationType.TABLE,
        generator = "Address_Gen")
    private int id;
    private String street;
    private String city;
    private String state;
    private String zip;

    public Address() {
    }

    public Address(String street, String city, String
        state, String zip) {
        this.street = street;
        this.city = city;
        this.state = state;
        this.zip = zip;
    }

}

Kevin Arturo Lara Sala
17:47:39.291 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, SALARY FROM EMPLOYEE
Empleados localizados
Employee [id=100, name=Oscar, salary=1000]
Employee [id=200, name=Paula, salary=2000]
Employee [id=300, name=Nadia, salary=3000]
Employee [id=301, name=Juan, salary=4000]
Employee [id=302, name=Kevin Lara, salary=5000]
kevinlara@mila:/media/kevinlara/LinuxStorage1/Documents/Diplomado_Java/Java_Diplomat/Moduloll/Practicas/2$
```

4.

```
@Entity
public class Address {

    @TableGenerator(name = "Address_Gen", table = "ID_GEN", pkColumnName = "GEN_NAME", pkColumnValue =
        "Addr_Gen", valueColumnName = "GEN_VAL", initialValue = 10000, allocationSize = 100)
    @Id
    @GeneratedValue(strategy = GenerationType.TABLE, generator = "Address_Gen")
    private int id;
    private String street;
    private String city;
    private String state;
    private String zip;

}
```

5.

```
// @Table(name = "EMP", schema = "moduloll")
public class Employee {

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id;
    private String name;
    private long salary;

    @ManyToOne
    private Department department;

    public Employee() {
    }

}
```

You, 21 seconds ago | 1 author (You)

@Entity

public class Department {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int id;

private String name;

@OneToMany

private Collection<Employee> employees;

public Department() {

KEVIN ARTURO LARA SALA

20:35:50.804 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, SALARY, DEPARTMENT_ID FROM EMPLOYEE

20:35:50.812 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME FROM DEPARTMENT WHERE (ID = ?)

20:35:50.818 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME FROM DEPARTMENT WHERE (ID = ?)

Empleados localizados

Employee [id=100, name=OSCAR, salary=1000, department=Department [id=1, name=TIC]]

Employee [id=200, name=PAULA, salary=2000, department=Department [id=1, name=TIC]]

Employee [id=300, name=NADIA, salary=3000, department=Department [id=3, name=VENTAS]]

20:35:50.820 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME FROM DEPARTMENT

Departamentos localizados

Department [id=1, name=TIC]

Department [id=2, name=MKT]

Department [id=3, name=VENTAS]

Department [id=4, name=COMPRAS]

Department [id=5, name=SEGURIDAD]

kevinlara@mila:/media/kevinlara/LinuxStorage1/Documents/Diplomado_Java/Java_Diplomat/Modulo11/Practicas/3/m1102relaciones\$