### Ejercicio 4.

#### 01elementCollections

```
Vacaciones del empleado NADIA
17:01:36.790 main DEBUG o.m., jdbc.client.impl.StandardClient - execute query: SELECT DAYS, STARTDATE, Employee_ID FROM Employee_VACATIONBOOKINGS WHERE (Employee_ID = ?)
VacationEntry [startDate=java.util.GregorianCalendar[time=IS88309200000, areFieldsSet=true, areAllFieldsSet=true, encomposed, proceedings of the process of the proces
```

### 02-overrideCollectionTableColumn

```
Employee [id=200, name=PAULA, salary=2000
, vacationBookings= {[VacationEntry [startDate=java.util.GregorianCalendar[time=158304 d="America/Mexico_City",offset=-21600000,dstSavings=3600000,useDaylight=true,transitic 00000,useDaylight=true,startPay=0,startMode=3,startMonth=3,startDay=1,startDayOfWeek=0000,endTimeMode=0]],firstDayOfWeek=1,minalDaysInformationstructure,startPay=0,startMode=1,startMode=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,startDayOfWeek=1,s
ONTH=1,AM_PM=0,HOUR=0,HOUR_OF_DAY=0,MINUTE=0,SECOND=0,MILLISECOND=0,ZONE_OFFSET=-21600
21054800000,areFieldsSet=true,areAllFieldsSet=true,lenient=true,zone=sun.util.calendar
itions=99,lastRule=java.util.SimpleTimeZone[id=America/Mexico_City,offset=-21600000,ds
eek=1,startTime=7200000,startTimeMode=0,endMode=2,endMonth=9,endDay=-1,endDayOfWeek=1
TH=4, WEEK_OF_YEAR=20, WEEK_OF_MONTH=3, DAY_OF_MONTH=15, DAY_OF_YEAR=135, DAY_OF_WEEK=7, DAY
-21600000,DST_0FFSET=3600000], daysTaken=4]]}
, nickNames={[PAULita]}]
Employee [id=300, name=NADIA, salary=3000
 , vacationBookings= {[VacationEntry [startDate=java.util.GregorianCalendar[time=158836
d="America/Mexico_City",offset=-21600000,dstSavings=3600000,useDaylight=true,transitio
00000,useDaylight=true,startYear=0,startMode=3,startMonth=3,startDay=1,startDayOfWeek=0000,endTimeMode=0]],firstDayOfWeek=1,minimalDaysInFirstWeek=1,ERA=1,YEAR=2020,MONTH=
MONTH=1,AM PM=0,HOUR=0,HOUR OF DAY=0,MINUTE=0,SECOND=0,MILLISECOND=0,ZONE OFFSET=-2160
time=1623733200000,areFieldsSet=true,areAllFieldsSet=true,lenient=true,zone=sun.util.o
e,transitions=99,lastRule=java.util.SimpleTimeZone[id=America/Mexico_City,offset=-2160
tDayOfWeek=1,startTime=7200000,startTimeMode=0,endMode=2,endMonth=9,endDay=-1,endDayOf
021,MONTH=5,WEEK_OF_YEAR=25,WEEK_OF_MONTH=3,DAY_OF_MONTH=15,DAY_OF_YEAR=166,DAY_OF_WEE

0FFSET=-21600000,DST_OFFSET=3600000], daysTaken=7], VacationEntry [startDate=java.util

e=sun.util.calendar.ZoneInfo[id="America/Mexico_City",offset=-21600000,dstSavings=3600
offset=-21600000,dstSavings=3600000,useDaylight=true,startYear=0,startMode=3,startMont
=-1,endDayOfWeek=1,endTime=7200000,endTimeMode=0]],firstDayOfWeek=1,minimalDaysInFirst
Y_OF_WEEK=7,DAY_OF_WEEK_IN_MONTH=1,AM_PM=0,HOUR=0,HOUR_OF_DAY=0,MINUTE=0,SECOND=0,MILL
, nickNames={[]}]
Employee [id=400, name=MARCO, salary=4000
, vacationBookings= {[]}
, nickNames={[MARCOS]}]
Employee [id=401, name=Kevin Lara, salary=5000
, vacationBookings= {[]}
 , nickNames={[Borrego]}]
Employee [id=402, name=Kevin Lara, salary=5000
 , vacationBookings= {[]}
    nickNames={[Borrego]}]
```

### 03-tablePerConcreteClass

```
KEVIN ARTURO LARA SALA

19:15:14.779 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, S_DATE FROM EMPLOYEE

19:15:14.783 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, H_RATE, NAME, S_DATE, VACATION, MCR FROM PT_EMP

19:15:14.783 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, D_RATE, FULLNAME, SDATE, TERM FROM CONTRACT_EMP

19:15:14.795 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, D_RATE, FULLNAME, SDATE, VACATION, MCR FROM PT_EMP

19:15:14.795 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, PENSION, SALARY, S_DATE, VACATION, MANAGE

Empleados localizados

PartTimeEmployee [id: 7 name: MARTHA, StartDate: Mon Nov 01 00:00:00 CST 2004, HourlyRate: 17.0, Vacation: 15]

PartTimeEmployee [id: 8 name: RAUL, StartDate: Mon Dec 05 00:00:00 CST 2005, HourlyRate: 16.0, Vacation: 15]

PartTimeEmployee [id: 9 name: JAZMIN, StartDate: Tue Jan 03 00:00:00 CST 2006, HourlyRate: 15.0, Vacation: 10]

ContractEmployee [id: 1, Name: OSCAR

StartDate: Mon Jan 01 00:00:00 CST 2001

dailyRate=500, term= + 12]

ContractEmployee [id: 2, Name: PAULA

StartDate: Mon Apr 08 00:00:00 CDT 2002

dailyRate=600, term= + 24]

ContractEmployee [id: 3, Name: NADIA

StartDate: Tue Jun 10 00:00:00 CDT 2003

dailyRate=700, term= + 18]

FullTimeEmployee [id: 4, Name: MARCOStartDate: Thu Jul 01 00:00:00 CDT 2004Vacation: 15salary: 55000, pensionContribution: 100000]

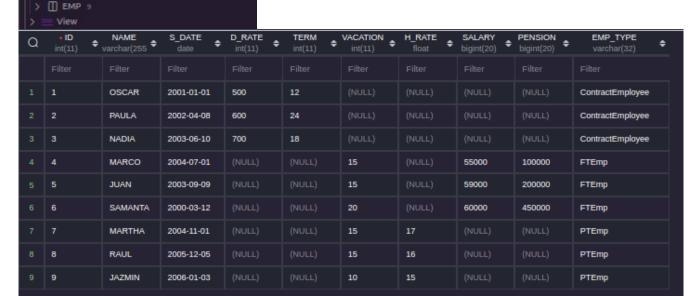
FullTimeEmployee [id: 5, Name: JUANStartDate: Tue Sep 09 00:00:00 CDT 2008Vacation: 15salary: 50000, pensionContribution: 2000000]

FullTimeEmployee [id: 6, Name: SAMANTAStartDate: Tue Sep 09 00:00:00 CDT 2008Vacation: 15salary: 50000, pensionContribution: 450000]

kevinlara@mila:/media/kevinlara/LinuxStoragel/Documents/Diplomado_Java/Java_Diplomat/Modulo11/Practicas/7/m1104TablePerClass$
```

## 04-singleTableInheritance

Tabla Emp.



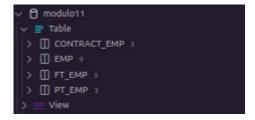
D

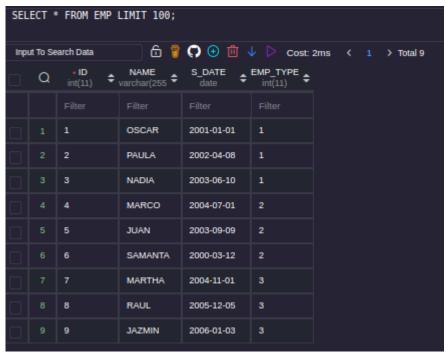
### Salida.

```
KEVIN ARTURO LARA SALA
21:27:21.556 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, EMP_TYPE, NAME, S_DATE, H_RATE, VACATION, D_RATE, TERM, PENSION, SALARY FROM EMP Empleados localizados
ContractEmployee [Id: 1, Name: OSCAR
StartDate: Mon Jan 81 80:80:80 CST 2081
dailyRate=500, term= + 12]
ContractEmployee [Id: 2, Name: PAULA
StartDate: Mon Apr 86 80:80:80 COT 2082
dailyRate=600, term= + 24]
ContractEmployee [Id: 3, Name: NADIA
StartDate: Tue Jun 10 80:80:80 COT 2083
dailyRate=700, term= + 18]
FullTimeEmployee [Id: 4, Name: MARCOStartDate: Thu Jul 81 80:80:80 CDT 2084/Vacation: 15salary: 55800, pension: 108080]
FullTimeEmployee [Id: 5, Name: JAWANTAStartDate: Tue Sep 89 80:80:80 CDT 2083/Vacation: 15salary: 59000, pension: 200000]
FullTimeEmployee [Id: 6, Name: SAMANTAStartDate: Sun Mar 12 80:80:80 CST 2080/Vacation: 20salary: 60000, pension: 450000]
PartTimeEmployee [Id: 7 name: MARTHA, StartDate: Mon Nov 81 80:80:80 CST 2080, HourlyRate: 17.0, Vacation: 15]
PartTimeEmployee [Id: 9 name: JAZMIN, StartDate: Tue Jan 83 80:80:80 CST 2086, HourlyRate: 15.0, Vacation: 15]
PartTimeEmployee [Id: 9 name: JAZMIN, StartDate: Tue Jan 83 80:80:80 CST 2086, HourlyRate: 15.0, Vacation: 15]
PartTimeEmployee [Id: 9 name: JAZMIN, StartDate: Tue Jan 83 80:80:80 CST 2086, HourlyRate: 15.0, Vacation: 16]
kevinlar@mila:/media/kevinlara/LinuxStorage1/Documents/Diplomado_Java/Java_Diplomat/Modulo11/Practicas/8/m1104SingleTableInheritances []
```

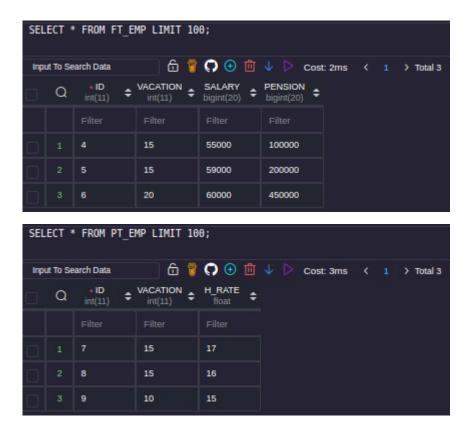
# 05-joinedTableInheritance

### **Tablas**









#### Salida.

```
KEVIN ARTURO LARA SALA

20:38:53.655 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT DISTINCT EMP_TYPE FROM EMP

20:38:53.670 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT t0:ID, t0:EMP_TYPE, t0:NAME, t0:S_DATE, t1:ID, t1:D

20:38:53.671 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT t0:ID, t0:EMP_TYPE, t0:NAME, t0:S_DATE, t1:ID, t1.P

20:38:53.672 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT t0:ID, t0:EMP_TYPE, t0:NAME, t0:S_DATE, t1:ID, t1.P

Empleados localizados

ContractEmployee [Id: 1, Name: OSCAR

StartDate: Mon Jan 01:00:00:00 CST 2001

dailyRate=500, term= + 12]

ContractEmployee [Id: 2, Name: PAULA

StartDate: Mon Apr 08:00:00:00 CDT 2002

dailyRate=600, term= + 24]

ContractEmployee [Id: 3, Name: NADIA

StartDate: Tue Jun 10:00:00:00 CDT 2003

dailyRate=700, term= + 18]

FullTimeEmployee [Id: 4, Name: MARCOStartDate: Thu Jul 01:00:00:00 CDT 2004Vacation: 15salary: 55000, pension: 100000]

FullTimeEmployee [Id: 5, Name: JUANStartDate: Tue Sep 09:00:00 CDT 2003Vacation: 25salary: 60000, pension: 450000]

PartTimeEmployee [Id: 7, name: MARTHA, StartDate: Sun Mar 12:00:00:00 CST 2004Vacation: 20salary: 60000, pension: 450000]

PartTimeEmployee [Id: 8, name: RAUL, StartDate: Mon Nov 01:00:00:00 CST 2005, HourlyRate: 17:0, Vacation: 15]

PartTimeEmployee [Id: 9 name: JAZMIN, StartDate: Tue Jan 03:00:00:00 CST 2005, HourlyRate: 15:0, Vacation: 15]

PartTimeEmployee [Id: 9 name: JAZMIN, StartDate: Tue Jan 03:00:00:00 CST 2005, HourlyRate: 15:0, Vacation: 10]

kevinlar@mila:/media/kevinlara/LinuxStoragel/Documents/Diplomado_Java/Java_Diplomat/Modulo11/Practicas/9/m1104JoinedTableInheritance$
```