

Ejercicio 1.

Listado alumnos.

```
[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:

l
11:11:53.186 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT MATRICULA, ESTATURA, FNAC, NOMBRE, PATERNO FROM Alumnos

Alumnos encontrados:
  Alumno [matricula=100F, nombre=Kevin Arturo, paterno=Lara Sala, fnac=Sun Jun 26 00:00:00 CST 1977, estatura=1.74]
  Alumno [matricula=1A, nombre=Juan, paterno=Lopez, fnac=Mon Jan 01 00:00:00 CST 2001, estatura=1.78]
  Alumno [matricula=2A, nombre=Nadia, paterno=Perez, fnac=Wed Jan 10 00:00:00 CST 2001, estatura=1.56]
  Alumno [matricula=3B, nombre=Perla Martha, paterno=Rios, fnac=Sat Jan 20 00:00:00 CST 2001, estatura=1.62]
  Alumno [matricula=4A, nombre=Carlos, paterno=Madero, fnac=Mon Jan 01 00:00:00 CST 2001, estatura=1.68]
  Alumno [matricula=5A, nombre=Javier, paterno=Amaro, fnac=Sat Feb 10 00:00:00 CST 2001, estatura=1.75]
  Alumno [matricula=6C, nombre=Jesus, paterno=Garcia, fnac=Tue Mar 20 00:00:00 CST 2001, estatura=1.65]
  Alumno [matricula=7B, nombre=Gema, paterno=null, fnac=Tue Mar 20 00:00:00 CST 2001, estatura=1.53]

[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:

q
Bye
```

Agregar alumno.

```
[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:

a
Ingresa la matricula del alumno:

111G
Ingresa el nombre del alumno:

Arturo
Ingresa el paterno del alumno:

Lara
Ingresa la estatura del alumno:

1.78
11:12:34.860 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: set autocommit=0
11:12:34.861 [main] DEBUG o.m.jdbc.message.server.OkPacket - System variable change: autocommit = OFF
11:12:34.868 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: INSERT INTO Alumnos (MATRICULA, ESTATURA, FNAC, NOMBRE, PATERNO) VALUES (?, ?, ?, ?, ?)
11:12:34.873 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: COMMIT
11:12:34.874 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: set autocommit=1
11:12:34.874 [main] DEBUG o.m.jdbc.message.server.OkPacket - System variable change: autocommit = ON

Alumno Insertado Alumno [matricula=111G, nombre=Arturo, paterno=Lara, fnac=Sat Nov 12 11:12:34 CST 2022, estatura=1.78]

[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:

l
11:12:37.967 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT MATRICULA, ESTATURA, FNAC, NOMBRE, PATERNO FROM Alumnos

Alumnos encontrados:
  Alumno [matricula=100F, nombre=Kevin Arturo, paterno=Lara Sala, fnac=Sun Jun 26 00:00:00 CST 1977, estatura=1.74]
  Alumno [matricula=111G, nombre=Arturo, paterno=Lara, fnac=Sat Nov 12 11:12:34 CST 2022, estatura=1.78]
  Alumno [matricula=1A, nombre=Juan, paterno=Lopez, fnac=Mon Jan 01 00:00:00 CST 2001, estatura=1.78]
  Alumno [matricula=2A, nombre=Nadia, paterno=Perez, fnac=Wed Jan 10 00:00:00 CST 2001, estatura=1.56]
  Alumno [matricula=3B, nombre=Perla Martha, paterno=Rios, fnac=Sat Jan 20 00:00:00 CST 2001, estatura=1.62]
  Alumno [matricula=4A, nombre=Carlos, paterno=Madero, fnac=Mon Jan 01 00:00:00 CST 2001, estatura=1.68]
  Alumno [matricula=5A, nombre=Javier, paterno=Amaro, fnac=Sat Feb 10 00:00:00 CST 2001, estatura=1.75]
  Alumno [matricula=6C, nombre=Jesus, paterno=Garcia, fnac=Tue Mar 20 00:00:00 CST 2001, estatura=1.65]
  Alumno [matricula=7B, nombre=Gema, paterno=null, fnac=Tue Mar 20 00:00:00 CST 2001, estatura=1.53]
```

Modificar alumno.

```
[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:

m
Ingresa la matricula del alumno a Modificar:

111G
Alumno: Alumno [matricula=111G, nombre=Arturo, paterno=Lara, fnac=Sat Nov 12 11:12:34 CST 2022, estatura=1.78]
11:15:03.086 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: set autocommit=0
11:15:03.086 [main] DEBUG o.m.jdbc.message.server.OkPacket - System variable change: autocommit = OFF
11:15:03.086 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: UPDATE Alumnos SET ESTATURA = ? WHERE (MATRICULA = ?)
11:15:03.087 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: COMMIT
11:15:03.088 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: set autocommit=1
11:15:03.088 [main] DEBUG o.m.jdbc.message.server.OkPacket - System variable change: autocommit = ON
Modificado: Alumno [matricula=111G, nombre=Arturo, paterno=Lara, fnac=Sat Nov 12 11:12:34 CST 2022, estatura=2.7800000000000002]

[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:

l
11:15:14.539 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT MATRICULA, ESTATURA, FNAC, NOMBRE, PATERNO FROM Alumnos

Alumnos encontrados:
Alumno [matricula=100F, nombre=Kevin Arturo, paterno=Lara Sala, fnac=Sun Jun 26 00:00:00 CST 1977, estatura=1.74]
Alumno [matricula=111G, nombre=Arturo, paterno=Lara, fnac=Sat Nov 12 11:12:34 CST 2022, estatura=2.7800000000000002]
Alumno [matricula=1A, nombre=Juan, paterno=Lopez, fnac=Mon Jan 01 00:00:00 CST 2001, estatura=1.78]
Alumno [matricula=2A, nombre=Nadia, paterno=Perez, fnac=Wed Jan 10 00:00:00 CST 2001, estatura=1.56]
Alumno [matricula=3B, nombre=Perla Martha, paterno=Rios, fnac=Sat Jan 20 00:00:00 CST 2001, estatura=1.62]
Alumno [matricula=4A, nombre=Carlos, paterno=Madero, fnac=Mon Jan 01 00:00:00 CST 2001, estatura=1.68]
Alumno [matricula=5A, nombre=Javier, paterno=Amaro, fnac=Sat Feb 10 00:00:00 CST 2001, estatura=1.75]
Alumno [matricula=6C, nombre=Jesus, paterno=Garcia, fnac=Tue Mar 20 00:00:00 CST 2001, estatura=1.65]
Alumno [matricula=7B, nombre=Gema, paterno=null, fnac=Tue Mar 20 00:00:00 CST 2001, estatura=1.53]

[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:
```

Eliminar alumno.

```
[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:

r
Ingresa una matricula de alumno para eliminar:

111G
11:15:48.005 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: set autocommit=0
11:15:48.005 [main] DEBUG o.m.jdbc.message.server.OkPacket - System variable change: autocommit = OFF
11:15:48.005 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: DELETE FROM Alumnos WHERE (MATRICULA = ?)
11:15:48.006 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: COMMIT
11:15:48.007 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: set autocommit=1
11:15:48.007 [main] DEBUG o.m.jdbc.message.server.OkPacket - System variable change: autocommit = ON

Alumno Eliminado 111G

[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:

l
11:15:55.642 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT MATRICULA, ESTATURA, FNAC, NOMBRE, PATERNO FROM Alumnos

Alumnos encontrados:
Alumno [matricula=100F, nombre=Kevin Arturo, paterno=Lara Sala, fnac=Sun Jun 26 00:00:00 CST 1977, estatura=1.74]
Alumno [matricula=1A, nombre=Juan, paterno=Lopez, fnac=Mon Jan 01 00:00:00 CST 2001, estatura=1.78]
Alumno [matricula=2A, nombre=Nadia, paterno=Perez, fnac=Wed Jan 10 00:00:00 CST 2001, estatura=1.56]
Alumno [matricula=3B, nombre=Perla Martha, paterno=Rios, fnac=Sat Jan 20 00:00:00 CST 2001, estatura=1.62]
Alumno [matricula=4A, nombre=Carlos, paterno=Madero, fnac=Mon Jan 01 00:00:00 CST 2001, estatura=1.68]
Alumno [matricula=5A, nombre=Javier, paterno=Amaro, fnac=Sat Feb 10 00:00:00 CST 2001, estatura=1.75]
Alumno [matricula=6C, nombre=Jesus, paterno=Garcia, fnac=Tue Mar 20 00:00:00 CST 2001, estatura=1.65]
Alumno [matricula=7B, nombre=Gema, paterno=null, fnac=Tue Mar 20 00:00:00 CST 2001, estatura=1.53]

[L]istar| [A]gregar | [M]odificar | [R]emover | [Q]uit:
```

CRUD Empleados.

```
12:31:40.673 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, SALARY FROM Employee
Empleados localizados
100 / Oscar Medina / 1100
300 / Nadia / 3000
Cambiar empleado
Employee [id=100, name=Oscar Medina, salary=1100]
Insertar empleado
12:31:40.673 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: set autocommit=0
12:31:40.674 [main] DEBUG o.m.jdbc.message.server.OkPacket - System variable change: autocommit = OFF
12:31:40.674 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: INSERT INTO Employee (ID, NAME, SALARY) VALUES (?, ?, ?)
12:31:40.676 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: COMMIT
12:31:40.677 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: set autocommit=1
12:31:40.677 [main] DEBUG o.m.jdbc.message.server.OkPacket - System variable change: autocommit = ON
Employee [id=500, name=Kevin Lara, salary=5000]
Eliminar empleado
12:31:40.678 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, SALARY FROM Employee WHERE (ID = ?)
12:31:40.678 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, SALARY FROM Employee
Empleados localizados (CRUD)
100 / Oscar Medina / 1100
300 / Nadia / 3000
500 / Kevin Lara / 5000
```

Table, schema

```
KEVIN ARTURO LARA SALA
13:05:44.644 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, SALARY FROM modulo11RH.RH_Employee
Empleados localizados
1 / Oscar / 1000
2 / Paula / 2000
3 / Nadia / 3000
```

Lada.

```
KEVIN ARTURO LARA SALA
13:25:25.861 [main] DEBUG o.m.jdbc.client.impl.StandardClient - execute query: SELECT ID, NAME, PHONE, SALARY FROM Employee
Empleados localizados
Employee [id=100, name=Oscar, salary=1000, phone=667788]
Employee [id=200, name=Paula, salary=2000, phone=778899]
Employee [id=300, name=Nadia, salary=3000, phone=998877]
```