

Programm 4-11b: Gespeicherte Prozedur zum Löschen einer Zeile

```
-- Programm 4-11b: Gespeicherte Prozedur: Zeile löschen
PROCEDURE dFire
(dc IN INTEGER, v IN STRING, n IN STRING) IS
BEGIN
    DELETE FROM Dozenten
    WHERE dcode=dc AND vorname=v AND nachname=n;
END;
```

Die beiden gespeicherten Prozeduren wurden im folgenden Java-Programm verwendet.

Programm 4-11c: Einfügen und Löschen von Tabellenzeilen

```
// Programm 4-11c: ./JDBCElementar/InsertUndDelete.java
import java.sql.*;
public class InsertUndDelete {
    public static void main(String[] args) throws Exception {
        if (args.length < 3) System.exit(0);
        String modus = args[0];
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection c = DriverManager.getConnection(
            "jdbc:oracle:thin:@localhost:1521:orcl",
            "Kurse", "Oracle");
        Statement s = c.createStatement();
        s.execute("CREATE OR REPLACE " +
            "FUNCTION dHire (v IN STRING, n IN STRING) " +
            "RETURN INTEGER IS temp INTEGER; BEGIN " +
            "SELECT Max(dcode) INTO temp FROM Dozenten; " +
            "INSERT INTO Dozenten (dcode, vorname, nachname) " +
            "VALUES (temp + 1, v, n); RETURN temp + 1; END;");
        s.execute("CREATE OR REPLACE " +
            "PROCEDURE dFire (dc IN INTEGER, v IN STRING, " +
            "n IN STRING) IS BEGIN DELETE FROM Dozenten " +
            "WHERE dcode=dc AND vorname=v AND nachname=n; END;");
        CallableStatement cs;
        if (modus.toUpperCase().startsWith("H")) {
            cs = c.prepareCall("{? = call dHire(?,?)}");
            cs.registerOutParameter(1, Types.INTEGER);
            cs.setString(2, args[1]);
            cs.setString(3, args[2]);
            cs.execute();
            System.out.println("Code= " + cs.getInt(1));
        }
        if (modus.toUpperCase().startsWith("F")) {
            cs = c.prepareCall("{call dFire(?,?,?)}");
            cs.setString(2, args[1]);
            cs.setString(3, args[2]);
            if (args.length > 3) {
                cs.setInt(1, Integer.parseInt(args[3]));
            }
            cs.execute();
        }
    }
}
```