# Lernziele

* Anlegen eines DB Servers (MariaDB/MySQL) am Rechner/RaspPI
* Einbindung der DB in IntelliJ

# Aufgabenstellung

* Integration einer einfachen DB Anwendung am Client
  + Lokale oder Remote Datenbank
  + Einbindung in IntelliJ
  + [https://www.jetbrains.com/help/idea/connecting-to-a-database.html#](https://www.jetbrains.com/help/idea/connecting-to-a-database.html)
* Vorgang beim Einbinden von Daten aus der Datenbank dokumentieren
* Sequenzielles Auslesen aller Datensätze aus einer Tabelle (Employee)
* DB Struktur: (anpassen nach SQL Standard)

Folgender DB Export aus Oracle ist vorhanden:

=== Added File Products/DCOracle2/test/scott.sql ===

SET TERMOUT OFF

SET ECHO OFF

DROP TABLE DEPT;

CREATE TABLE DEPT

(DEPTNO NUMBER(2) CONSTRAINT PK\_DEPT PRIMARY KEY,

DNAME VARCHAR2(14) ,

LOC VARCHAR2(13) ) ;

DROP TABLE EMP;

CREATE TABLE EMP

(EMPNO NUMBER(4) CONSTRAINT PK\_EMP PRIMARY KEY,

ENAME VARCHAR2(10),

JOB VARCHAR2(9),

MGR NUMBER(4),

HIREDATE DATE,

SAL NUMBER(7,2),

COMM NUMBER(7,2),

DEPTNO NUMBER(2) CONSTRAINT FK\_DEPTNO REFERENCES DEPT);

INSERT INTO DEPT VALUES

(10,'ACCOUNTING','NEW YORK');

INSERT INTO DEPT VALUES (20,'RESEARCH','DALLAS');

INSERT INTO DEPT VALUES

(30,'SALES','CHICAGO');

INSERT INTO DEPT VALUES

(40,'OPERATIONS','BOSTON');

INSERT INTO EMP VALUES

(7369,'SMITH','CLERK',7902,to\_date('17-12-1980','dd-mm-yyyy'),800,NULL,20);

INSERT INTO EMP VALUES

(7499,'ALLEN','SALESMAN',7698,to\_date('20-2-1981','dd-mm-yyyy'),1600,300,30);

INSERT INTO EMP VALUES

(7521,'WARD','SALESMAN',7698,to\_date('22-2-1981','dd-mm-yyyy'),1250,500,30);

INSERT INTO EMP VALUES

(7566,'JONES','MANAGER',7839,to\_date('2-4-1981','dd-mm-yyyy'),2975,NULL,20);

INSERT INTO EMP VALUES

(7654,'MARTIN','SALESMAN',7698,to\_date('28-9-1981','dd-mm-yyyy'),1250,1400,30);

INSERT INTO EMP VALUES

(7698,'BLAKE','MANAGER',7839,to\_date('1-5-1981','dd-mm-yyyy'),2850,NULL,30);

INSERT INTO EMP VALUES

(7782,'CLARK','MANAGER',7839,to\_date('9-6-1981','dd-mm-yyyy'),2450,NULL,10);

INSERT INTO EMP VALUES

(7788,'SCOTT','ANALYST',7566,to\_date('13-JUL-87')-85,3000,NULL,20);

INSERT INTO EMP VALUES

(7839,'KING','PRESIDENT',NULL,to\_date('17-11-1981','dd-mm-yyyy'),5000,NULL,10);

INSERT INTO EMP VALUES

(7844,'TURNER','SALESMAN',7698,to\_date('8-9-1981','dd-mm-yyyy'),1500,0,30);

INSERT INTO EMP VALUES

(7876,'ADAMS','CLERK',7788,to\_date('13-JUL-87')-51,1100,NULL,20);

INSERT INTO EMP VALUES

(7900,'JAMES','CLERK',7698,to\_date('3-12-1981','dd-mm-yyyy'),950,NULL,30);

INSERT INTO EMP VALUES

(7902,'FORD','ANALYST',7566,to\_date('3-12-1981','dd-mm-yyyy'),3000,NULL,20);

INSERT INTO EMP VALUES

(7934,'MILLER','CLERK',7782,to\_date('23-1-1982','dd-mm-yyyy'),1300,NULL,10);

DROP TABLE BONUS;

CREATE TABLE BONUS

(

ENAME VARCHAR2(10) ,

JOB VARCHAR2(9) ,

SAL NUMBER,

COMM NUMBER

) ;

DROP TABLE SALGRADE;

CREATE TABLE SALGRADE

( GRADE NUMBER,

LOSAL NUMBER,

HISAL NUMBER );

INSERT INTO SALGRADE VALUES (1,700,1200);

INSERT INTO SALGRADE VALUES (2,1201,1400);

INSERT INTO SALGRADE VALUES (3,1401,2000);

INSERT INTO SALGRADE VALUES (4,2001,3000);

INSERT INTO SALGRADE VALUES (5,3001,9999);

COMMIT;