Some DDL examples

```
--DROP TABLE emp1;
--DROP TABLE dept1;
CREATE TABLE emp1 AS SELECT * FROM nikovits.emp;
CREATE TABLE dept1 AS SELECT * FROM nikovits.dept;
Creating a SEOUENCE
-- DROP SEQUENCE seq1;
CREATE SEQUENCE seq1 MINVALUE 1 MAXVALUE 100 INCREMENT BY 5
START WITH 50 CYCLE;
SELECT seq1.NEXTVAL FROM dual;
SELECT seq1.CURRVAL FROM dual;
Creating a SYNONYM
-- DROP SYNONYM other name;
CREATE SYNONYM other name FOR emp1;
SELECT * FROM other name;
Primary key constraint
ALTER TABLE emp1 ADD CONSTRAINT emp1 empno pk PRIMARY KEY (empno);
ALTER TABLE dept1 ADD CONSTRAINT dept1 deptno pk PRIMARY KEY (deptno);
Foreign key constraint
ALTER TABLE emp1
                 ADD CONSTRAINT emp1 deptno fk FOREIGN KEY (deptno)
REFERENCES dept1 (deptno) ON DELETE CASCADE;
Check previous foreign key
DELETE FROM dept1 WHERE deptno = 10;
SELECT * FROM dept1;
SELECT * FROM emp1;
ROLLBACK;
Add a new column
ALTER TABLE emp1 ADD (mgr1 NUMBER(4));
Add a new column with constraint
ALTER TABLE emp1 ADD (mgr2 NUMBER(4) CONSTRAINT emp1 mgr2 fk
REFERENCES emp1 (empno));
NOT NULL constraint
ALTER TABLE emp1 MODIFY (sal CONSTRAINT emp1_sal_nn NOT NULL);
UNIQUE constraint
ALTER TABLE emp1 ADD CONSTRAINT emp1 ename u UNIQUE (ename);
CHECK constraint
ALTER TABLE emp1 ADD CONSTRAINT emp1 c1 CHECK (sal <= 9999);
ALTER TABLE emp1 ADD CONSTRAINT emp1 c2 CHECK (sal >= 500);
```

Drop a constraint

Rename a column

ALTER TABLE emp1 DROP CONSTRAINT emp1 c1;

ALTER TABLE emp1 RENAME COLUMN sal TO sal2;

Query the constraint from Data Dictionary with SQL

Drop the tables. The order is important!!!

```
DROP TABLE dept1; -- it will give an error DROP TABLE emp1;
DROP TABLE dept1; -- now it is OK.
```

Data model of the two tables:

