

## Eerste oefening op Creatie tabellen en constraints

### Droppen van tabellen:

DROP TABLE emp;

DROP TABLE dept;

### Aanmaak tabellen EMP en DEPT

Beschrijving tabel DEPT:

	↕ COLUMN_NAME	↕ DATA_TYPE	↕ NULLABLE	DATA_DEFAULT	↕ COLUMN_ID	↕ COMMENTS
1	DEPTNO	NUMBER(2,0)	No	(null)	1 (null)	
2	DNAME	VARCHAR2(14 BYTE)	Yes	(null)	2 (null)	
3	LOC	VARCHAR2(13 BYTE)	Yes	(null)	3 (null)	

Constraints op de tabel DEPT:

	↕ TABLE_NAME	↕ CONSTRAINT_NAME	↕ CONSTRAINT_TYPE
1	DEPT	PK_DEPT	P
2	DEPT	U_NAME	U

### OPLOSSING:

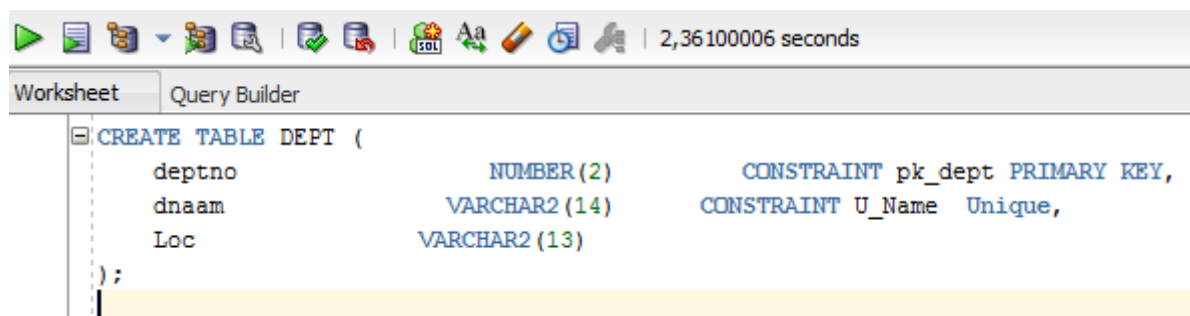
CREATE TABLE DEPT (

deptno            NUMBER(2)        CONSTRAINT pk\_dept PRIMARY KEY,

dnaam            VARCHAR2(14)    CONSTRAINT U\_Name Unique,

Loc                VARCHAR2(13)

);



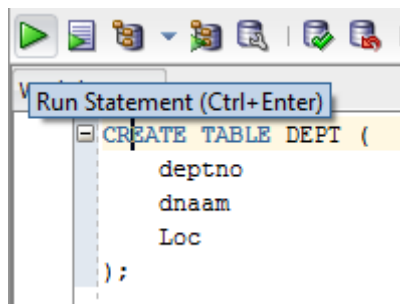
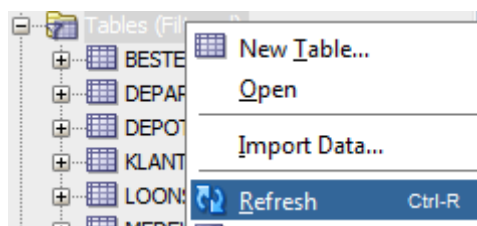


table DEPT created.



Start Page   praktijk   DEPT						
Columns   Data   Constraints   Grants   Statistics   Triggers   Flashback   Dependencies   Details   Partitions   Indexes   SQL						
Actions...						
	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	DEPTNO	NUMBER (2, 0)	No	(null)	1	(null)
2	DNAAM	VARCHAR2 (14 BYTE)	Yes	(null)	2	(null)
3	LOC	VARCHAR2 (13 BYTE)	Yes	(null)	3	(null)

Start Page   praktijk   DEPT		
Columns   Data   Constraints   Grants   Statistics   Triggers		
Actions...		
	CONSTRAINT_NAME	CONSTRAINT_TYPE
1	PK_DEPT	Primary_Key
2	U_NAME	Unique

Beschrijving table EMP:

❖	COLUMN_NAME	❖	DATA_TYPE	❖	NULLABLE	DATA_DEFAULT	❖	COLUMN_ID	❖	COMMENTS
1	EMPNO		NUMBER(4,0)		No	(null)		1		(null)
2	ENAME		VARCHAR2(10 BYTE)		Yes	(null)		2		(null)
3	JOB		VARCHAR2(9 BYTE)		Yes	(null)		3		(null)
4	MGR		NUMBER(4,0)		Yes	(null)		4		(null)
5	HIREDATE		DATE		Yes	(null)		5		(null)
6	SAL		NUMBER(7,2)		Yes	(null)		6		(null)
7	COMM		NUMBER(7,2)		Yes	(null)		7		(null)
8	DEPTNO		NUMBER(2,0)		No	(null)		8		(null)

Constraints op de tabel EMP:

❖	CONSTRAINT_NAME	❖	CONSTRAINT_TYPE	SEARCH_CONDITION	❖	R_OWNER	❖	R_TABLE_NAME	❖	R_CONSTRAINT_NAME	❖	DELETE_RULE
1	CH_ENAME		Check	ename = upper(ename)		(null)		(null)		(null)		(null)
2	CH_SAL		Check	sal between 500 and 5000		(null)		(null)		(null)		(null)
3	EMP_DEPTNO_NN		Check	"DEPTNO" IS NOT NULL		(null)		(null)		(null)		(null)
4	FK_EMP_DEPT		Foreign_Key	(null)		THEORIE		DEPT		PK_DEPT		NO ACTION
5	FK_EMP_EMP		Foreign_Key	(null)		THEORIE		EMP		PK_EMP		NO ACTION
6	PK_EMP		Primary_Key	(null)		(null)		(null)		(null)		(null)

CREATE TABLE EMP (

empno           NUMBER(4)     CONSTRAINT pk\_emp PRIMARY KEY,

ename           VARCHAR2(10)   CONSTRAINT ch\_Ename check (ename = upper(ename)),

job VARCHAR2(9),

mgr NUMBER(4) CONSTRAINT FK\_EMP\_EMP REFERENCES EMP(empno),

hiredate Date,

sal           NUMBER(7,2)   CONSTRAINT ch\_Sal check (sal BETWEEN 500 AND 5000),

comm          NUMBER(7,2),

deptno   NUMBER(2) CONSTRAINT nn\_deptno NOT NULL

                  CONSTRAINT FK\_EMP\_DEPT REFERENCES DEPT(deptno)

);