**05.01.2017**

**ORACLE**

**1.1**

CREATE TABLE Fahrzeug (

FzNr number(5),

Bezeichnung varchar2(15),

Gewicht float(10),

PRIMARY KEY(FzNr)

);

CREATE TABLE Bauteil (

BtNr number(5),

Teilname varchar2(20),

Einbauzeit number(5),

HstNr varchar2(10),

Baugruppe number(5),

PRIMARY KEY(BtNr),

FOREIGN KEY (Baugruppe) REFERENCES Bauteil(BtNr)

);

CREATE TABLE Einbau(

EbNr varchar2(10),

BtNr number(5) NOT NULL,

FzNr number(5) NOT NULL,

Anzahl number(5),

PRIMARY KEY (EbNr),

FOREIGN KEY (BtNr) REFERENCES Bauteil(BtNr),

FOREIGN KEY (FzNr) REFERENCES Fahrzeug(FzNr) ON DELETE CASCADE

);

**1.2**

CREATE UNIQUE INDEX FzBt ON Einbau (FzNr, BtNr);

**1.3**

SELECT \* FROM DB01.HERSTELLER

CREATE TABLE Hersteller AS SELECT \* FROM DB01.HERSTELLER;

select \* from all\_constraints where owner = 'DB01' and table\_name = 'HERSTELLER';

**1.4**

select \* from all\_constraints where owner = 'DB01' and table\_name = 'HERSTELLER';

select \* from all\_constraints where owner = 'S73889' and table\_name = 'HERSTELLER';

select \* from ALL\_TAB\_COLUMNS where owner = 'DB01' and table\_name = 'HERSTELLER';

select \* from ALL\_TAB\_COLUMNS where owner = 'S73889' and table\_name = 'HERSTELLER';

select \* from ALL\_CONS\_COLUMNS where owner = 'DB01' and table\_name = 'HERSTELLER';

select \* from ALL\_CONS\_COLUMNS where owner = 'S73889' and table\_name = 'HERSTELLER';

ALTER TABLE Hersteller ADD PRIMARY KEY (HSTNR);

**1.5**

select \* from ALL\_TAB\_COLUMNS where owner = 'DB01' and table\_name = 'HERSTELLER';

SELECT \* FROM HERSTELLER;

INSERT INTO HERSTELLER VALUES ('693253', 'Tower Zwickau', 'Kopernikusstr. 60', '08056',

'Zwickau', CURRENT\_DATE);

**1.6**

SELECT HSTNAME, PLZ, ORT FROM HERSTELLER ORDER BY PLZ;

**1.7**

SELECT \* FROM HERSTELLER WHERE (EXTRACT(YEAR FROM (CURRENT\_DATE)) - (EXTRACT (YEAR FROM (KONTAKTAUFNAHME)))) < 5;

**1.8**

SELECT \* FROM HERSTELLER;

SELECT \* FROM Bauteil;

ALTER TABLE Bauteil ADD FOREIGN KEY (HSTNR)REFERENCES Hersteller(HSTNR);