DROP TABLE EMPLOYEE CASCADE CONSTRAINT;

DROP TABLE FAULTREPORT CASCADE CONSTRAINT;

DROP TABLE OUTLET CASCADE CONSTRAINT;

DROP TABLE VEHICLE CASCADE CONSTRAINT;

DROP TABLE CLIENT CASCADE CONSTRAINT;

DROP TABLE RAGREEMENT CASCADE CONSTRAINT;

**--OUTLET**

CREATE TABLE OUTLET

( OUTNO NUMBER(10),

STREET VARCHAR2(50),

CITY VARCHAR2(20),

STATE VARCHAR2(20),

ZIPCODE VARCHAR2(20),

PHONE VARCHAR2(20),

MANAGERNO NUMBER(10),

CONSTRAINT OUTLET\_MANAGERNO\_CK\_NN CHECK(MANAGERNO IS NOT NULL),

CONSTRAINT OUTLET\_OUTNO\_PK PRIMARY KEY(OUTNO));

**-- VEHICLE**

CREATE TABLE VEHICLE

(LICENSENO VARCHAR2(15),

MAKE VARCHAR2(20),

MODEL VARCHAR2(30),

COLOR VARCHAR2(10),

year NUMBER,

NODOORS NUMBER(6),

CAPACITY NUMBER(10),

DAILYRATE NUMBER(10),

INSPECTIONDATE DATE,

OUTNO NUMBER(10),

CONSTRAINT OUTLET\_CAPACITY\_CK\_NN CHECK(CAPACITY IS NOT NULL),

CONSTRAINT VEHICLE\_LICENCENO\_PK PRIMARY KEY (LICENSENO),

CONSTRAINT VEHICLE\_OUTNO\_FK FOREIGN KEY (OUTNO) REFERENCES OUTLET (OUTNO),

CONSTRAINT CK\_MAKELESSTHANTEN CHECK(year >2008 ));

**--EMLPOYEE**

CREATE TABLE EMPLOYEE

(EMPNO NUMBER(10),

FNAME VARCHAR2(20),

LNAME VARCHAR2(20),

POSITION VARCHAR2(30),

PHONE VARCHAR2(20),

EMAIL VARCHAR2(40),

DOB DATE,

GENDER VARCHAR2(10),

SALARY NUMBER(10),

HIREDATE DATE DEFAULT SYSDATE,

OUTNO NUMBER(10),

SUPERVISORNO NUMBER(10),

CONSTRAINT OUTLET\_FNAME\_CK\_NN CHECK(FNAME IS NOT NULL),

CONSTRAINT OUTLET\_LNAME\_CK\_NN CHECK(LNAME IS NOT NULL),

CONSTRAINT EMPLOYEE\_EMPNO\_PK PRIMARY KEY (EMPNO),

CONSTRAINT EMPLOYEE\_OUTNO\_FK FOREIGN KEY (OUTNO) REFERENCES OUTLET (OUTNO),

CONSTRAINT EMPLOYEE\_SUPERVISORNO\_FK FOREIGN KEY (SUPERVISORNO) REFERENCES EMPLOYEE (EMPNO),

CONSTRAINT EMPLOYEE\_SALARY\_CK CHECK(SALARY > 0));

**--CLIENT**

CREATE TABLE CLIENT

(CLIENTNO NUMBER(10),

CLIENTNAME VARCHAR2(25),

STREET VARCHAR2(50),

CITY VARCHAR2(15),

STATE VARCHAR2(20),

ZIPCODE NUMBER(5),

WEBADDRESS VARCHAR2(20),

CONTACT\_FNAME VARCHAR2(20),

CONTACT\_LNAME VARCHAR2(20),

PHONE VARCHAR(15),

EMAIL VARCHAR2(40),

CONSTRAINT OUTLET\_CLIENTNAME\_CK\_NN CHECK(CLIENTNAME IS NOT NULL),

CONSTRAINT OUTLET\_ZIPCODE\_CK\_NN CHECK(ZIPCODE IS NOT NULL),

CONSTRAINT OUTLET\_CONTACT\_FNAME\_CK\_NN CHECK(CONTACT\_FNAME IS NOT NULL),

CONSTRAINT OUTLET\_CONTACT\_LNAME\_CK\_NN CHECK(CONTACT\_LNAME IS NOT NULL),

CONSTRAINT CLIENT\_CLIENTNO\_PK PRIMARY KEY (CLIENTNO));

**--RAGREEMENT**

CREATE TABLE RAGREEMENT

(RENTALNO NUMBER(10),

STARTDATE DATE,

RETURNDATE DATE,

MILEAGEBEFORE NUMBER(20),

MILEAGEAFTER NUMBER(20),

INSURANCETYPE VARCHAR2(20),

CLIENTNO NUMBER(10),

LICENSENO VARCHAR2(15),

CONSTRAINT OUTLET\_INSURANCETYPE\_CK\_NN CHECK(INSURANCETYPE IS NOT NULL),

CONSTRAINT RAGREEMENT\_RENTALNO\_PK PRIMARY KEY (RENTALNO),

CONSTRAINT RAGREEMENT\_CLIENTNO\_FK FOREIGN KEY (CLIENTNO) REFERENCES CLIENT (CLIENTNO),

CONSTRAINT RAGREEMENT\_LICENSENO\_FK FOREIGN KEY (LICENSENO) REFERENCES VEHICLE (LICENSENO),

CONSTRAINT RAGREEMENT\_STARTDATE\_CK CHECK(STARTDATE <= RETURNDATE),

CONSTRAINT RAGREEMENT\_MILEAGEBEFORE\_CK CHECK(MILEAGEBEFORE < MILEAGEAFTER));

**--FAULTREPORT**

CREATE TABLE FAULTREPORT

(REPORTNUM NUMBER(10),

DATECHECKED DATE,

COMMENTS VARCHAR2(350),

EMPNO NUMBER(10),

LICENSENO VARCHAR2(15),

RENTALNO NUMBER(15),

CONSTRAINT FAULTREPORT\_REPORTNUM\_PK PRIMARY KEY (REPORTNUM),

CONSTRAINT FAULTREPORT\_EMPNO\_FK FOREIGN KEY (EMPNO) REFERENCES EMPLOYEE (EMPNO),

CONSTRAINT FAULTREPORT\_LICENSENO\_FK FOREIGN KEY (LICENSENO) REFERENCES VEHICLE (LICENSENO),

CONSTRAINT FAULTREPORT\_RENTALNO\_FK FOREIGN KEY (RENTALNO) REFERENCES RAGREEMENT (RENTALNO));

**--ADDITIONAL CONSTRAINT**

ALTER TABLE OUTLET

ADD

CONSTRAINT OUTLET\_MANAGERNO\_FK FOREIGN KEY (MANAGERNO) REFERENCES EMPLOYEE(EMPNO);