

## SCRIPT #1

DROP TABLE FAULTREPORT;

DROP TABLE RAGREEMENT;

DROP TABLE VEHICLE;

ALTER TABLE EMPLOYEE DROP COLUMN outNo;

DROP TABLE OUTLET;

DROP TABLE EMPLOYEE;

DROP TABLE CLIENT;

CREATE TABLE Client

(ClientNo CHAR(7),

FName VARCHAR2(15),

LName VARCHAR2(14),

Phone CHAR(10),

Email VARCHAR2(30),

WebAddress VARCHAR(30),

Street VARCHAR2(25),

City VARCHAR2(25),

State CHAR(2),

ZipCode CHAR(5),

CONSTRAINT Client\_ClientNo\_PK PRIMARY KEY (ClientNo),

CONSTRAINT Client\_Email\_CK CHECK (Email LIKE '%@%.%'));

CREATE TABLE Outlet

(outNo CHAR(2),

Street VARCHAR2(20),

```
City VARCHAR2(25),  
State CHAR(2),  
ZipCode CHAR(5),  
Phone CHAR(10),  
ManagerNo CHAR(4),  
CONSTRAINT Outlet_outNo_PK PRIMARY KEY (outNo));
```

```
CREATE TABLE Vehicle(  
LicenseNo CHAR(10),  
Make VARCHAR2(15),  
Model VARCHAR2(15),  
Color VARCHAR2(15),  
Year DATE DEFAULT SYSDATE,  
NoDoors NUMBER(1),  
Capacity NUMBER(2),  
DailyRate NUMBER(6,2),  
InspectionDate DATE DEFAULT SYSDATE,  
outNo CHAR(2),  
CONSTRAINT Vehicle_LicenseNo_PK PRIMARY KEY (LicenseNo),  
CONSTRAINT Vehicle_outNo_FK FOREIGN KEY (outNo) REFERENCES Outlet (outNo),  
CONSTRAINT Vehicle_Year_CK CHECK(Year > TO_DATE('01-JAN-1900', 'DD-MON-YYYY')));
```

```
CREATE TABLE Employee(  
EmpNo CHAR(4),  
FName VARCHAR2(15),  
LName VARCHAR2(25),  
Position VARCHAR2(25),  
Phone CHAR(10),
```

```
Email VARCHAR2(40),
DOB DATE DEFAULT SYSDATE,
Gender CHAR(1),
Salary NUMBER(6),
HireDate DATE DEFAULT SYSDATE,
OutNo CHAR(2),
SuperNo CHAR(4),
CONSTRAINT Employee_EmpNo_PK PRIMARY KEY (EmpNo),
CONSTRAINT Employee_SuperNo_FK FOREIGN KEY (SuperNo) REFERENCES Employee (EmpNo),
CONSTRAINT Employee_outNo_FK FOREIGN KEY (outNo) REFERENCES Outlet (outNo),
CONSTRAINT Employee_Email_CK CHECK (Email LIKE '%@aandd.com'),
CONSTRAINT Employee_Gender_CK CHECK (Gender IN ('F', 'M', 'N', 'T')));
```

```
CREATE TABLE RAgreement(
RentalNo NUMBER(10),
StartDate DATE DEFAULT SYSDATE,
ReturnDate DATE DEFAULT SYSDATE,
MileageBefore NUMBER(6),
MileageAfter NUMBER(6),
InsuranceType VARCHAR2(15),
ClientNo CHAR(7),
LicenseNo CHAR(10),
CONSTRAINT RAgreement_RentalNo_PK PRIMARY KEY (RentalNo),
CONSTRAINT RAgreement_ClientNo_FK FOREIGN KEY (ClientNo) REFERENCES Client (ClientNo),
CONSTRAINT RAgreement_LisenceNo_FK FOREIGN KEY (LicenseNo) REFERENCES Vehicle (LicenseNo),
CONSTRAINT RAgreement_MileageAfter_CK CHECK (MileageAfter >= MileageBefore),
CONSTRAINT RAgreement_ReturnDate_CK CHECK(ReturnDate > StartDate));
```

```
CREATE TABLE FaultReport(  
    ReportNum CHAR(10),  
    DateChecked DATE DEFAULT SYSDATE,  
    Comments VARCHAR2(300),  
    EmpNo CHAR(4),  
    LicenseNo CHAR(10),  
    RentalNo NUMBER(10),  
    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));  
  
ALTER TABLE OUTLET  
ADD CONSTRAINT Outlet_Manager_No_FK  
FOREIGN KEY (ManagerNo) REFERENCES Employee (EmpNo);
```