CREATE TABLE DRIVER

(Drivers\_License\_No VARCHAR2(15) NOT NULL,

Insurance\_Policy\_No VARCHAR2(20),

Insurer\_Name VARCHAR2(50),

Insurer\_Policy\_Type VARCHAR2(20),

CONSTRAINT DRIVER\_PK PRIMARY KEY (Drivers\_License\_No));

INSERT INTO DRIVER

(Drivers\_License\_No,

Insurance\_Policy\_No,

Insurer\_Name,

Insurer\_Policy\_Type)

VALUES

('7777777',

'90009',

'Oreo Spongecake',

'Contingent');

CREATE TABLE EMPLOYEE

(Employee\_ID NUMBER(11,0) NOT NULL,

Full\_Name VARCHAR2(50) NOT NULL,

Date\_of\_Birth DATE,

Address VARCHAR2(100),

Hire\_Date DATE,

Employee\_Type VARCHAR2(20),

CONSTRAINT EMPLOYEE\_PK PRIMARY KEY (Employee\_ID));

INSERT INTO EMPLOYEE

(Employee\_ID,

Full\_Name,

Date\_of\_Birth,

Address,

Hire\_Date,

Employee\_Type)

VALUES

(1,

'Dill Funk',

'10-NOV-1990',

'321 Street Ln. Ames, IA 12345',

'1-APR-2016',

'Front Desk');

CREATE TABLE VEHICLE

(Vehicle\_ID NUMBER(11,0) NOT NULL,

Daily\_Price DECIMAL(5,2),

Vehicle\_Name VARCHAR2(50),

Make\_of\_Car VARCHAR2(50),

Model\_of\_Car VARCHAR2(50),

Vehicle\_Type VARCHAR2(50),

Luggage\_Capacity NUMBER(11,0),

Seat\_Number NUMBER(11, 0),

Start\_Date DATE,

Expiration\_Date DATE,

CONSTRAINT VEHICLE\_PK PRIMARY KEY (Vehicle\_ID));

CREATE TABLE PORTER

(Porter\_ID NUMBER(11,0) NOT NULL,

Skill\_Description VARCHAR(250),

Vehicle\_ID NUMBER(11,0) NOT NULL,

CONSTRAINT PORTER\_PK PRIMARY KEY (Porter\_ID),

CONSTRAINT PORTER\_FK1 FOREIGN KEY (Porter\_ID) REFERENCES EMPLOYEE (Employee\_ID),

CONSTRAINT PORTER\_FK2 FOREIGN KEY (Vehicle\_ID) REFERENCES VEHICLE (Vehicle\_ID));

CREATE TABLE FRONT\_DESK

(Front\_Desk\_ID NUMBER(11,0) NOT NULL,

Skill\_Description VARCHAR(250),

CONSTRAINT FRONT\_DESK\_PK PRIMARY KEY (Front\_Desk\_ID),

CONSTRAINT FRONT\_DESK\_FK1 FOREIGN KEY (Front\_Desk\_ID) REFERENCES EMPLOYEE (Employee\_ID));

CREATE TABLE MANAGER

(Manager\_ID NUMBER(11,0) NOT NULL,

Skill\_Description VARCHAR(250),

CONSTRAINT MANAGER\_PK PRIMARY KEY (Manager\_ID),

CONSTRAINT MANAGER\_FK1 FOREIGN KEY (Manager\_ID) REFERENCES EMPLOYEE (Employee\_ID));

CREATE TABLE MECHANIC

(Mechanic\_ID NUMBER(11,0) NOT NULL,

Skill\_Description VARCHAR(250),

CONSTRAINT MECHANIC\_PK PRIMARY KEY (Mechanic\_ID),

CONSTRAINT MECHANIC\_FK1 FOREIGN KEY (Mechanic\_ID) REFERENCES EMPLOYEE (Employee\_ID));

CREATE TABLE CUSTOMER

(Customer\_ID NUMBER(11,0) NOT NULL,

Full\_Name VARCHAR2(50) NOT NULL,

Date\_of\_Birth DATE,

Address VARCHAR2(100),

Phone\_Number VARCHAR(20),

Drivers\_License\_No VARCHAR2(15) NOT NULL,

CONSTRAINT CUSTOMER\_PK PRIMARY KEY (Customer\_ID),

CONSTRAINT CUSTOMER\_FK FOREIGN KEY (Drivers\_License\_No) REFERENCES DRIVER(Drivers\_License\_No));

INSERT INTO CUSTOMER

(Customer\_ID,

Full\_Name,

Date\_of\_Birth,

Address,

Phone\_Number,

Drivers\_License\_No)

VALUES

(1,

'Cranjus McBasketball',

'31-DEC-1990',

'123 Lane St., Ames, IA 12345',

'123-456-7890',

'7777777');

CREATE TABLE RESERVATION

(Reservation\_ID NUMBER(11,0) NOT NULL,

Booking\_Date DATE,

Booked\_Car\_Type VARCHAR2(50),

Start\_Date DATE,

End\_Date DATE,

Customer\_ID NUMBER(11,0) NOT NULL,

Front\_Desk\_ID NUMBER(11,0) NOT NULL ,

CONSTRAINT RESERVATION\_PK PRIMARY KEY (Reservation\_ID),

CONSTRAINT RESERVATION\_FK1 FOREIGN KEY (Customer\_ID) REFERENCES CUSTOMER (Customer\_ID),

CONSTRAINT RESERVATION\_FK2 FOREIGN KEY (Front\_Desk\_ID) REFERENCES FRONT\_DESK (Front\_Desk\_ID));

CREATE TABLE PAYMENT

(Payment\_ID NUMBER(11,0) NOT NULL,

Name\_on\_Card VARCHAR2(50),

Card\_Number CHAR(16),

Expiration\_Date DATE,

Billing\_Address VARCHAR2(100),

Card\_Type VARCHAR2(20),

Customer\_ID NUMBER(11,0) NOT NULL,

CONSTRAINT PAYMENT\_PK PRIMARY KEY (Payment\_ID),

CONSTRAINT PAYMENT\_FK1 FOREIGN KEY (Customer\_ID) REFERENCES CUSTOMER (Customer\_ID));

CREATE TABLE CONTRACT

(Contract\_ID NUMBER(11,0) NOT NULL,

Inventory\_Number NUMBER(11,0),

Rental\_Location VARCHAR2(100),

Type\_of\_Car\_Rent VARCHAR2(20),

Date\_and\_Time\_In TIMESTAMP,

Date\_and\_Time\_Out TIMESTAMP,

Daily\_Rental\_Rate DECIMAL(5,2),

Discount DECIMAL(5,2),

Taxes\_and\_Fees DECIMAL(5,2),

Total\_Purchase\_Amount DECIMAL(5,2),

Vehicle\_ID NUMBER(11,0) NOT NULL,

Front\_Desk\_ID NUMBER(11,0) NOT NULL,

Reservation\_ID NUMBER(11,0) NOT NULL,

CONSTRAINT CONTRACT\_PK PRIMARY KEY (Contract\_ID),

CONSTRAINT CONTRACT\_FK1 FOREIGN KEY (Vehicle\_ID) REFERENCES VEHICLE (Vehicle\_ID),

CONSTRAINT CONTRACT\_FK2 FOREIGN KEY (Front\_Desk\_ID) REFERENCES FRONT\_DESK (Front\_Desk\_ID),

CONSTRAINT CONTRACT\_FK3 FOREIGN KEY (Reservation\_ID) REFERENCES RESERVATION (Reservation\_ID));

CREATE TABLE RECEIPT

(Receipt\_ID NUMBER(11,0) NOT NULL,

Total\_Amount DECIMAL(5,2),

Total\_Taxes DECIMAL(5,2),

Final\_Payment DECIMAL(5,2),

Payment\_Date\_Time TIMESTAMP,

Payment\_ID NUMBER(11,0) NOT NULL,

Manager\_ID NUMBER(11,0) NOT NULL,

CONSTRAINT RECEIPT\_PK PRIMARY KEY (Receipt\_ID),

CONSTRAINT RECEIPT\_FK1 FOREIGN KEY (Payment\_ID) REFERENCES PAYMENT (Payment\_ID),

CONSTRAINT RECEIPT\_FK2 FOREIGN KEY (Manager\_ID) REFERENCES MANAGER (Manager\_ID));

CREATE TABLE VEHICLE\_CONDITION

(Maintenance\_Service\_ID NUMBER(11,0) NOT NULL,

Date\_Time TIMESTAMP,

Car\_Status VARCHAR2(50),

Est\_Repair\_Time NUMBER(11,0),

Return VARCHAR2(50),

Inspection VARCHAR(50),

Vehicle\_ID NUMBER(11,0) NOT NULL,

Receipt\_ID NUMBER(11,0) NOT NULL,

Contract\_ID NUMBER(11,0) NOT NULL,

Porter\_ID NUMBER(11,0) NOT NULL,

CONSTRAINT VEHICLE\_CONDITION\_PK PRIMARY KEY (Maintenance\_Service\_ID),

CONSTRAINT VEHICLE\_CONDITION\_FK1 FOREIGN KEY (Receipt\_ID) REFERENCES RECEIPT (Receipt\_ID),

CONSTRAINT VEHICLE\_CONDITION\_FK2 FOREIGN KEY (Contract\_ID) REFERENCES CONTRACT(Contract\_ID),

CONSTRAINT VEHICLE\_CONDITION\_FK3 FOREIGN KEY (Vehicle\_ID) REFERENCES VEHICLE (Vehicle\_ID),

CONSTRAINT VEHICLE\_CONDITION\_FK4 FOREIGN KEY (Porter\_ID) REFERENCES PORTER (Porter\_ID));

CREATE TABLE AUTO\_REPAIR

( Vehicle\_ID NUMBER(11,0) NOT NULL,

Repair\_Charge DECIMAL(5,2),

Maintenance\_Service\_ID NUMBER(11,0) NOT NULL,

Mechanic\_ID NUMBER(11,0) NOT NULL,

CONSTRAINT AUTO\_REPAIR\_PK PRIMARY KEY (Vehicle\_ID),

CONSTRAINT AUTO\_REPAIR\_FK1 FOREIGN KEY (Vehicle\_ID) REFERENCES VEHICLE (Vehicle\_ID),

CONSTRAINT AUTO\_REPAIR\_FK2 FOREIGN KEY (Maintenance\_Service\_ID) REFERENCES VEHICLE\_CONDITION (Maintenance\_Service\_ID),

CONSTRAINT AUTO\_REPAIR\_FK3 FOREIGN KEY (Mechanic\_ID) REFERENCES MECHANIC (Mechanic\_ID));

CREATE TABLE CAR\_INVENTORY

(Inventory\_ID NUMBER(11,0) NOT NULL,

Rental\_Location VARCHAR(100),

Type\_of\_Car VARCHAR(100),

Daily\_Rate DECIMAL(5,2),

Disco\_Unit VARCHAR(100),

Date\_Out DATE,

Date\_In DATE,

Vehicle\_ID NUMBER(11,0) NOT NULL,

CONSTRAINT CAR\_INVENTORY\_PK PRIMARY KEY (Inventory\_ID),

CONSTRAINT CAR\_INVENTORY\_FK FOREIGN KEY (Vehicle\_ID) REFERENCES VEHICLE(Vehicle\_ID));