

Task 1: Create Tables

```
SQL 1
1 CREATE TABLE CUSTOMER(
2     CustID int PRIMARY KEY,
3     Name TEXT NOT NULL,
4     Phone TEXT NOT NULL
5 );
```

Execution finished without errors.
Result: query executed successfully. Took 0ms
At line 1:
CREATE TABLE CUSTOMER(
 CustID int PRIMARY KEY,
 Name TEXT NOT NULL,
 Phone TEXT NOT NULL
);

```
1 CREATE TABLE VEHICLE
2 (
3     VehicleID TEXT PRIMARY KEY,
4     Description TEXT NOT NULL,
5     Year INTEGER NOT NULL,
6     Type TEXT NOT NULL,
7     Category INTEGER NOT NULL
8 );
```

Execution finished without errors.
Result: query executed successfully. Took 3ms
At line 1:
CREATE TABLE VEHICLE
(
 VehicleID TEXT PRIMARY KEY,
 Description TEXT NOT NULL,
 Year INTEGER NOT NULL,
 Type TEXT NOT NULL,
 Category INTEGER NOT NULL
);

```
SQL 1 x
1 CREATE TABLE RENTAL(
2     CustID INTEGER NOT NULL,
3     VehicleID TEXT NOT NULL,
4     StartDate DATE NOT NULL,
5     OrderDate DATE NOT NULL,
6     RentalType INTEGER NOT NULL,
7     Qty INTEGER NOT NULL,
8     RentalDate DATE NOT NULL,
9     TotalAmount DOUBLE NOT NULL,
10    PaymentDate DATE NOT NULL,
11    --RentalType: 1 for Daily, 7 for Weekly
12    CHECK (RentalType==1 || RentalType==7),
13    FOREIGN KEY (CustID) REFERENCES Customer (CustID) ON DELETE CASCADE ON UPDATE CASCADE,
14    FOREIGN KEY (VehicleID) REFERENCES Vehicle (VehicleID) ON DELETE CASCADE ON UPDATE CASCADE
15 );

Execution finished without errors.
Result: query executed successfully. Took 3ms
At line 1:
CREATE TABLE RENTAL(
    CustID INTEGER NOT NULL,
    VehicleID TEXT NOT NULL,
    StartDate DATE NOT NULL,
    OrderDate DATE NOT NULL,
    RentalType INTEGER NOT NULL,
    Qty INTEGER NOT NULL,
    RentalDate DATE NOT NULL,
    TotalAmount DOUBLE NOT NULL,
    PaymentDate DATE NOT NULL,

    --RentalType: 1 for Daily, 7 for Weekly
    CHECK (RentalType==1 || RentalType==7),

    FOREIGN KEY (CustID) REFERENCES Customer (CustID) ON DELETE CASCADE ON UPDATE CASCADE,
    FOREIGN KEY (VehicleID) REFERENCES Vehicle (VehicleID) ON DELETE CASCADE ON UPDATE CASCADE
);
```

```
SQL 1 x
1 CREATE TABLE RATE(
2     Type INTEGER NOT NULL,
3     Category INTEGER NOT NULL,
4     Weekly INTEGER NOT NULL,
5     Daily INTEGER NOT NULL,
6     --Type: 1:Compact, 2:Medium, 3:Large, 4:SUV, 5:Truck, 6:VAN
7     CHECK (Type==1 || Type==2 || Type==3 || Type==4 || Type==5 || Type==6),
8     --Category: 0:Basic, 1:Luxury
9     CHECK (Category==0 || Category==1),
10    FOREIGN KEY (Type) REFERENCES VEHICLE(Type) ON DELETE CASCADE ON UPDATE CASCADE
11 );

Execution finished without errors.
Result: query executed successfully. Took 3ms
At line 1:
CREATE TABLE RATE(
    Type INTEGER NOT NULL,
    Category INTEGER NOT NULL,
    Weekly INTEGER NOT NULL,
    Daily INTEGER NOT NULL,
    --Type: 1:Compact, 2:Medium, 3:Large, 4:SUV, 5:Truck, 6:VAN
    CHECK (Type==1 || Type==2 || Type==3 || Type==4 || Type==5 || Type==6),
    --Category: 0:Basic, 1:Luxury
    CHECK (Category==0 || Category==1),
    FOREIGN KEY (Type) REFERENCES VEHICLE(Type) ON DELETE CASCADE ON UPDATE CASCADE
);
```