

1 row inserted.

```
SQL> INSERT INTO CARBODY
VALUES(100, 'Sedan');
```

Error starting at line : 3 in command -

```
INSERT INTO CARBODY
```

```
VALUES(100, 'Sedan')
```

Error report -

SQL Error: ORA-00001: unique constraint (ADODSON.CARBODY_PK) viol
00001. 00000 - "unique constraint (%s.%s) violated"

*Cause: An UPDATE or INSERT statement attempted to insert a du
For Trusted Oracle configured in DBMS MAC mode, you ma
this message if a duplicate entry exists at a differen

*Action: Either remove the unique restriction or do not insert

```
SQL> INSERT INTO CARBODY
VALUES(101, 'SUV');
```

1 row inserted.

```
SQL> SET ECHO ON
```

```
SQL> INSERT INTO CARBODY
VALUES(100, 'Sedan');
```

1 row inserted.

```
SQL> INSERT INTO CARBODY
VALUES(101, 'SUV');
```

1 row inserted.

```
SQL> INSERT INTO CARBODY
VALUES(103, 'Van');
```

1 row inserted.

```
SQL> INSERT INTO CARBODY  
VALUES(104, 'Coupe');
```

1 row inserted.

```
SQL> INSERT INTO CARBODY  
VALUES(105, 'Truck');
```

1 row inserted.

```
SQL> INSERT INTO CARCOLOR  
VALUES(10, 'Sunburst Orange');
```

1 row inserted.

```
SQL> INSERT INTO CARCOLOR  
VALUES(15, 'Imperial Blue');
```

1 row inserted.

```
SQL> INSERT INTO CARCOLOR  
VALUES(20, 'Garnet Red');
```

1 row inserted.

```
SQL> INSERT INTO CARCOLOR  
VALUES(30, 'Glacier White');
```

1 row inserted.

```
SQL> INSERT INTO CARFEATURES  
VALUES(2, 'GPS');
```

1 row inserted.

```
SQL> INSERT INTO CARFEATURES
VALUES(4, 'Heated Seats');
```

1 row inserted.

```
SQL> INSERT INTO CARFEATURES
VALUES(2, 'Electric');
```

```
Error starting at line : 36 in command -
INSERT INTO CARFEATURES
VALUES(2, 'Electric')
```

Error report -

```
SQL Error: ORA-00001: unique constraint (ADODSON.CARFEATURES_PK)
00001. 00000 - "unique constraint (%s.%s) violated"
```

```
*Cause:      An UPDATE or INSERT statement attempted to insert a du
              For Trusted Oracle configured in DBMS MAC mode, you ma
              this message if a duplicate entry exists at a differen
```

```
*Action:      Either remove the unique restriction or do not insert
```

```
SQL> INSERT INTO CARMAKER
VALUES(10, 'Mitsubishi', 100);
```

```
Error starting at line : 39 in command -
INSERT INTO CARMAKER
VALUES(10, 'Mitsubishi', 100)
```

Error report -

```
SQL Error: ORA-02291: integrity constraint (ADODSON.CARMAKER_CARM
02291. 00000 - "integrity constraint (%s.%s) violated - parent ke
```

```
*Cause:      A foreign key value has no matching primary key value.
```

```
*Action:      Delete the foreign key or add a matching primary key.
```

```
SQL> INSERT INTO CARMODEL
VALUES(100, 10, 'Eclipse');
```

1 row inserted.

```
SQL> SET ECHO ON
SQL> DROP TABLE ADDRESS
CASCADE CONSTRAINTS;
```

Table ADDRESS dropped.

```
SQL> DROP TABLE CARBODY
CASCADE CONSTRAINTS;
```

Table CARBODY dropped.

```
SQL> DROP TABLE CARCOLOR
CASCADE CONSTRAINTS;
```

Table CARCOLOR dropped.

```
SQL> DROP TABLE CARFEATURES
CASCADE CONSTRAINTS;
```

Table CARFEATURES dropped.

```
SQL> DROP TABLE CARMAKER
CASCADE CONSTRAINTS;
```

Table CARMAKER dropped.

```
SQL> DROP TABLE CARMODEL
CASCADE CONSTRAINTS;
```

Table CARMODEL dropped.

```
SQL> DROP TABLE CARTRANSMISSION
CASCADE CONSTRAINTS;
```

Error starting at line : 20 in command -

```
DROP TABLE CARTRANSMISSION
```

```
CASCADE CONSTRAINTS
```

```
Error report -
```

```
SQL Error: ORA-00942: table or view does not exist
```

```
00942. 00000 - "table or view does not exist"
```

```
*Cause:
```

```
*Action:
```

```
SQL> DROP TABLE CUSTOMER
```

```
CASCADE CONSTRAINTS;
```

```
Table CUSTOMER dropped.
```

```
SQL> DROP TABLE DRIVETRAIN
```

```
CASCADE CONSTRAINTS;
```

```
Table DRIVETRAIN dropped.
```

```
SQL> DROP TABLE LICENSE_TAX_INSUR
```

```
CASCADE CONSTRAINTS;
```

```
Table LICENSE_TAX_INSUR dropped.
```

```
SQL> DROP TABLE MOTOR
```

```
CASCADE CONSTRAINTS;
```

```
Table MOTOR dropped.
```

```
SQL> DROP TABLE SALE
```

```
CASCADE CONSTRAINTS;
```

```
Table SALE dropped.
```

```
SQL> DROP TABLE SALESPERSON
```

```
CASCADE CONSTRAINTS;
```

Table SALESPERSON dropped.

```
SQL> DROP TABLE SATISFACTION
CASCADE CONSTRAINTS;
```

Table SATISFACTION dropped.

```
SQL> DROP TABLE VEHICLE
CASCADE CONSTRAINTS;
```

Table VEHICLE dropped.

```
SQL> DROP TABLE TRANSMISSION
CASCADE CONSTRAINTS;
```

Table TRANSMISSION dropped.

```
SQL> SET ECHO ON
```

```
SQL> -- Generated by Oracle SQL Developer Data Modeler 4.1.3.901
```

```
SQL> -- at:          2016-11-06 11:00:30 EST
```

```
SQL> -- site:        Oracle Database 11g
```

```
SQL> -- type:        Oracle Database 11g
```

```
SQL> CREATE TABLE DriveTrain
```

```
(
    DrivetrainID NUMBER NOT NULL ,
    Drivetrain    CHAR (256)
) ;
```

Table DRIVETRAIN created.

```
SQL> ALTER TABLE DriveTrain ADD CONSTRAINT DriveTrain_PK PRIMARY (
```

Table DRIVETRAIN altered.

```
SQL> CREATE TABLE License_Tax_Insur
```

```
(
  StateTax      NUMBER ,
  LicenseFee    NUMBER ,
  ProofInsurance CHAR (1) ,
  AddiFeeID     NUMBER NOT NULL
) ;
```

Table LICENSE_TAX_INSUR created.

```
SQL> ALTER TABLE License_Tax_Insur ADD CHECK ( ProofInsurance IN
```

Table LICENSE_TAX_INSUR altered.

```
SQL> ALTER TABLE License_Tax_Insur ADD CONSTRAINT License_Tax_Ins
```

Table LICENSE_TAX_INSUR altered.

```
SQL> CREATE TABLE Motor
  ( MotorID NUMBER NOT NULL , Motor CHAR (256)
  ) ;
```

Table MOTOR created.

```
SQL> ALTER TABLE Motor ADD CONSTRAINT Motor_PK PRIMARY KEY ( Moto
```

Table MOTOR altered.

```
SQL> CREATE TABLE address
  (
    StreetName   CHAR (256) ,
    StreetNumber NUMBER ,
    City         CHAR (256) ,
    State        CHAR (256) ,
    Country      CHAR (256) ,
    AddressID    NUMBER NOT NULL
```

```
) ;
```

Table ADDRESS created.

```
SQL> ALTER TABLE address ADD CONSTRAINT address_PK PRIMARY KEY (
```

Table ADDRESS altered.

```
SQL> CREATE TABLE carBody
(
    VehicleBodyID NUMBER NOT NULL ,
    VehicleBody    CHAR (256)
) ;
```

Table CARBODY created.

```
SQL> ALTER TABLE carBody ADD CONSTRAINT carBody_PK PRIMARY KEY (
```

Table CARBODY altered.

```
SQL> CREATE TABLE carColor
( ColorID NUMBER NOT NULL , Color CHAR (256)
) ;
```

Table CARCOLOR created.

```
SQL> ALTER TABLE carColor ADD CONSTRAINT carColor_PK PRIMARY KEY
```

Table CARCOLOR altered.

```
SQL> CREATE TABLE carFeatures
( FeatureID NUMBER NOT NULL , Feature CHAR (256)
) ;
```

Table CARFEATURES created.


```
SQL> ALTER TABLE carFeatures ADD CONSTRAINT carFeatures_PK PRIMAR
```

Table CARFEATURES altered.

```
SQL> CREATE TABLE carMaker
  ( MakerID NUMBER NOT NULL , Maker CHAR (256)
  ) ;
```

Table CARMAKER created.

```
SQL> ALTER TABLE carMaker ADD CONSTRAINT carMaker_PK PRIMARY KEY
```

Table CARMAKER altered.

```
SQL> CREATE TABLE carModel
  (
    ModelID          NUMBER NOT NULL ,
    Model            CHAR (256) ,
    carMaker_MakerID NUMBER NOT NULL
  ) ;
```

Table CARMODEL created.

```
SQL> CREATE UNIQUE INDEX carModel__IDX ON carModel
  (
    ModelID ASC
  )
;
```

Unique index CARMODEL__IDX created.

```
SQL> CREATE INDEX carModel__IDXv1 ON carModel
  ( carMaker_MakerID ASC
  ) ;
```

Index CARMODEL__IDXV1 created.

```
SQL> ALTER TABLE carModel ADD CONSTRAINT carModel_PK PRIMARY KEY
```

Table CARMODEL altered.

```
SQL> CREATE TABLE carTransmission
(
    TransmissionID    NUMBER NOT NULL ,
    TransmissionType  CHAR (256)
) ;
```

Table CARTRANSMISSION created.

```
SQL> ALTER TABLE carTransmission ADD CONSTRAINT carTransmission_P
```

Table CARTRANSMISSION altered.

```
SQL> CREATE TABLE customer
(
    CustomerID          NUMBER NOT NULL ,
    Loan                NUMBER ,
    FName                CHAR (256) ,
    LName                CHAR (256) ,
    SpendLevel           NUMBER ,
    Years                NUMBER ,
    Zip                  NUMBER ,
    address_AddressID    NUMBER NOT NULL ,
    salesperson_SalesPersonID NUMBER NOT NULL ,
    Phone                NUMBER ,
    email                CHAR (256)
) ;
```

Table CUSTOMER created.

```
SQL> CREATE INDEX customer__IDX ON customer
  ( address_AddressID ASC
  ) ;
```

Index CUSTOMER__IDX created.

```
SQL> CREATE INDEX customer__IDXv1 ON customer
  ( salesperson_SalesPersonID ASC
  ) ;
```

Index CUSTOMER__IDXV1 created.

```
SQL> CREATE UNIQUE INDEX customer__IDXv2 ON customer
  (
    CustomerID ASC
  )
  ;
```

Unique index CUSTOMER__IDXV2 created.

```
SQL> ALTER TABLE customer ADD CONSTRAINT customer_PK PRIMARY KEY
```

Table CUSTOMER altered.

```
SQL> CREATE TABLE sale
  (
    CurrentMileage          NUMBER ,
    Customization           NUMBER ,
    Financing               NUMBER ,
    Warranty                NUMBER ,
    TaxesFees               NUMBER ,
    TotalPrice              NUMBER ,
    CostofVehicle           NUMBER ,
    SaleID                  NUMBER NOT NULL ,
```

```
License_Tax_Insur_AddiFeeID NUMBER NOT NULL ,  
vehicle_VehicleID           NUMBER NOT NULL ,  
salesperson_SalesPersonID   NUMBER NOT NULL ,  
customer_CustomerID         NUMBER NOT NULL  
) ;
```

Table SALE created.

```
SQL> CREATE UNIQUE INDEX sale__IDX ON sale  
(  
    License_Tax_Insur_AddiFeeID ASC  
)  
;
```

Unique index SALE__IDX created.

```
SQL> CREATE INDEX sale__IDXv1 ON sale  
( salesperson_SalesPersonID ASC  
) ;
```

Index SALE__IDXV1 created.

```
SQL> CREATE UNIQUE INDEX sale__IDXv2 ON sale  
(  
    SaleID ASC  
)  
;
```

Unique index SALE__IDXV2 created.

```
SQL> CREATE INDEX sale__IDXv3 ON sale  
( customer_CustomerID ASC  
) ;
```

Index SALE__IDXV3 created.

```
SQL> ALTER TABLE sale ADD CONSTRAINT sale_PK PRIMARY KEY ( SaleID
```

Table SALE altered.

```
SQL> CREATE TABLE salesperson
```

```
(
  CR                NUMBER ,
  Discount           NUMBER ,
  FName              CHAR (256) ,
  SalesPersonID      NUMBER NOT NULL ,
  LName              CHAR (256) ,
  Manager            NUMBER ,
  Pay                NUMBER ,
  Perform            NUMBER ,
  Sales              NUMBER ,
  SickDays           NUMBER ,
  Status             CHAR (256) ,
  Title              CHAR (256) ,
  VacDays            NUMBER ,
  Years              NUMBER ,
  Zip                NUMBER ,
  address_AddressID  NUMBER NOT NULL ,
  Phone              NUMBER ,
  email              CHAR (256)
) ;
```

Table SALESPERSON created.

```
SQL> ALTER TABLE salesperson ADD CHECK ( CR BETWEEN 0.00 AND 100.
```

Table SALESPERSON altered.

```
SQL> ALTER TABLE salesperson ADD CHECK ( Discount BETWEEN 0.00 AN
```

Table SALESPERSON altered.

```
SQL> CREATE INDEX salesperson__IDX ON salesperson
      ( address_AddressID ASC
      ) ;
```

Index SALESPERSON__IDX created.

```
SQL> CREATE UNIQUE INDEX salesperson__IDXv1 ON salesperson
      (
        SalesPersonID ASC
      )
      ;
```

Unique index SALESPERSON__IDXV1 created.

```
SQL> ALTER TABLE salesperson ADD CONSTRAINT salesperson_PK PRIMAR
```

Table SALESPERSON altered.

```
SQL> CREATE TABLE satisfaction
      (
        Car                NUMBER ,
        Dealership         NUMBER ,
        Salesperson        NUMBER ,
        SurveyID           NUMBER NOT NULL ,
        customer_CustomerID NUMBER NOT NULL
      ) ;
```

Table SATISFACTION created.

```
SQL> CREATE UNIQUE INDEX satisfaction__IDX ON satisfaction
      (
        SurveyID ASC
      )
```

;

Unique index SATISFACTION__IDX created.

```
SQL> CREATE INDEX satisfaction__IDXv1 ON satisfaction
      ( customer_CustomerID ASC
      ) ;
```

Index SATISFACTION__IDXV1 created.

```
SQL> ALTER TABLE satisfaction ADD CONSTRAINT satisfaction_PK PRIM
```

Table SATISFACTION altered.

```
SQL> CREATE TABLE vehicle
(
    Delivered                DATE ,
    Doors                    NUMBER ,
    VehicleID                NUMBER NOT NULL ,
    MileageCurrent            NUMBER ,
    MileageOrig               NUMBER ,
    NEW                      CHAR (1) ,
    Price                    NUMBER ,
    ListPrice                 NUMBER ,
    Status                    NUMBER ,
    Weight                   INTEGER ,
    YEAR                     INTEGER ,
    carColor_ColorID         NUMBER NOT NULL ,
    carFeatures_FeatureID    NUMBER NOT NULL ,
    carModel_ModelID         NUMBER NOT NULL ,
    salesperson_SalesPersonID NUMBER NOT NULL ,
    carTransmission_TransmissionID NUMBER NOT NULL ,
    carBody_VehicleBodyID    NUMBER NOT NULL ,
    DriveTrain_DrivetrainID  NUMBER NOT NULL ,
    Motor_MotorID            NUMBER NOT NULL ,
```

```
        carModel_carMaker_MakerID      NUMBER NOT NULL
    ) ;
```

Table VEHICLE created.

```
SQL> ALTER TABLE vehicle ADD CHECK ( NEW IN ('N', 'Y', 'n', 'y'))
```

Table VEHICLE altered.

```
SQL> CREATE INDEX vehicle__IDX ON vehicle
    ( carColor_ColorID ASC
    ) ;
```

Index VEHICLE__IDX created.

```
SQL> CREATE INDEX vehicle__IDXv1 ON vehicle
    (
        carTransmission_TransmissionID ASC
    ) ;
```

Index VEHICLE__IDXV1 created.

```
SQL> CREATE INDEX vehicle__IDXv2 ON vehicle
    ( carBody_VehicleBodyID ASC
    ) ;
```

Index VEHICLE__IDXV2 created.

```
SQL> CREATE INDEX vehicle__IDXv3 ON vehicle
    ( DriveTrain_DrivetrainID ASC
    ) ;
```

Index VEHICLE__IDXV3 created.

```
SQL> CREATE INDEX vehicle__IDXv4 ON vehicle
```



```
( Motor_MotorID ASC
) ;
```

Index VEHICLE__IDXV4 created.

```
SQL> CREATE INDEX vehicle__IDXv5 ON vehicle
( carFeatures_FeatureID ASC
) ;
```

Index VEHICLE__IDXV5 created.

```
SQL> CREATE INDEX vehicle__IDXv6 ON vehicle
( carModel_ModelID ASC
) ;
```

Index VEHICLE__IDXV6 created.

```
SQL> CREATE UNIQUE INDEX vehicle__IDXv7 ON vehicle
(
    VehicleID ASC
)
;
```

Unique index VEHICLE__IDXV7 created.

```
SQL> CREATE INDEX vehicle__IDXv8 ON vehicle
(
    carModel_ModelID ASC ,
    carModel_carMaker_MakerID ASC
) ;
```

Index VEHICLE__IDXV8 created.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_PK PRIMARY KEY (
```

Table VEHICLE altered.

```
SQL> ALTER TABLE carModel ADD CONSTRAINT carModel_carMaker_FK FOREIGN KEY (carModel_id) REFERENCES carMaker (carMaker_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table CARMODEL altered.

```
SQL> ALTER TABLE customer ADD CONSTRAINT customer_address_FK FOREIGN KEY (customer_id) REFERENCES address (address_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table CUSTOMER altered.

```
SQL> ALTER TABLE customer ADD CONSTRAINT customer_salesperson_FK FOREIGN KEY (customer_id) REFERENCES salesperson (salesperson_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table CUSTOMER altered.

```
SQL> ALTER TABLE sale ADD CONSTRAINT sale_License_Tax_Insur_FK FOREIGN KEY (sale_id) REFERENCES license (license_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table SALE altered.

```
SQL> ALTER TABLE sale ADD CONSTRAINT sale_customer_FK FOREIGN KEY (sale_id) REFERENCES customer (customer_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table SALE altered.

```
SQL> ALTER TABLE sale ADD CONSTRAINT sale_salesperson_FK FOREIGN KEY (sale_id) REFERENCES salesperson (salesperson_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table SALE altered.

```
SQL> ALTER TABLE sale ADD CONSTRAINT sale_vehicle_FK FOREIGN KEY (sale_id) REFERENCES vehicle (vehicle_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table SALE altered.

```
SQL> ALTER TABLE salesperson ADD CONSTRAINT salesperson_address_FK FOREIGN KEY (salesperson_id) REFERENCES address (address_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table SALESPERSON altered.

```
SQL> ALTER TABLE satisfaction ADD CONSTRAINT satisfaction_customer_FK FOREIGN KEY (satisfaction_id) REFERENCES customer (customer_id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Table SATISFACTION altered.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_DriveTrain_FK FOREIGN KEY (driveTrain) REFERENCES driveTrain (id)
```

Table VEHICLE altered.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_Motor_FK FOREIGN KEY (motor) REFERENCES motor (id)
```

Table VEHICLE altered.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_carBody_FK FOREIGN KEY (carBody) REFERENCES carBody (id)
```

Table VEHICLE altered.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_carColor_FK FOREIGN KEY (carColor) REFERENCES carColor (id)
```

Table VEHICLE altered.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_carFeatures_FK FOREIGN KEY (carFeatures) REFERENCES carFeatures (id)
```

Table VEHICLE altered.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_carModel_FK FOREIGN KEY (carModel) REFERENCES carModel (id)
```

Table VEHICLE altered.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_carTransmission_FK FOREIGN KEY (carTransmission) REFERENCES carTransmission (id)
```

Table VEHICLE altered.

```
SQL> ALTER TABLE vehicle ADD CONSTRAINT vehicle_salesperson_FK FOREIGN KEY (salesperson) REFERENCES salesperson (id)
```

Table VEHICLE altered.

SQL> -- Oracle SQL Developer Data Modeler Summary Report:

SQL> --

SQL> -- CREATE TABLE	15
SQL> -- CREATE INDEX	22
SQL> -- ALTER TABLE	36
SQL> -- CREATE VIEW	0
SQL> -- ALTER VIEW	0
SQL> -- CREATE PACKAGE	0
SQL> -- CREATE PACKAGE BODY	0
SQL> -- CREATE PROCEDURE	0
SQL> -- CREATE FUNCTION	0
SQL> -- CREATE TRIGGER	0
SQL> -- ALTER TRIGGER	0
SQL> -- CREATE COLLECTION TYPE	0
SQL> -- CREATE STRUCTURED TYPE	0
SQL> -- CREATE STRUCTURED TYPE BODY	0
SQL> -- CREATE CLUSTER	0
SQL> -- CREATE CONTEXT	0
SQL> -- CREATE DATABASE	0
SQL> -- CREATE DIMENSION	0
SQL> -- CREATE DIRECTORY	0
SQL> -- CREATE DISK GROUP	0
SQL> -- CREATE ROLE	0
SQL> -- CREATE ROLLBACK SEGMENT	0
SQL> -- CREATE SEQUENCE	0
SQL> -- CREATE MATERIALIZED VIEW	0
SQL> -- CREATE SYNONYM	0
SQL> -- CREATE TABLESPACE	0
SQL> -- CREATE USER	0
SQL> --	
SQL> -- DROP TABLESPACE	0
SQL> -- DROP DATABASE	0
SQL> --	
SQL> -- REDACTION POLICY	0
SQL> --	

SQL> -- ORDS DROP SCHEMA	0
SQL> -- ORDS ENABLE SCHEMA	0
SQL> -- ORDS ENABLE OBJECT	0
SQL> --	
SQL> -- ERRORS	0
SQL> -- WARNINGS	0