

```
/* Delete all existing tables and sequences */
```

```
DROP SEQUENCE buyer_seq;
```

```
DROP SEQUENCE feature_seq;
```

```
DROP SEQUENCE listing_seq;
```

```
DROP SEQUENCE picture_seq;
```

```
DROP SEQUENCE property_seq;
```

```
DROP SEQUENCE propertytype_seq;
```

```
DROP SEQUENCE seller_seq;
```

```
DROP TABLE Listing;
```

```
DROP TABLE Picture;
```

```
DROP TABLE PropertyFeature;
```

```
DROP TABLE Feature;
```

```
DROP TABLE Property;
```

```
DROP TABLE PropertyType;
```

```
DROP TABLE Buyer;
```

```
DROP TABLE Seller;
```

```
/* Seller Table */
```

```
CREATE TABLE Seller (
```

```
seller_id INTEGER NOT NULL,
```

```
seller_fname VARCHAR(20) NOT NULL,
```

```
seller_lname VARCHAR(20) NOT NULL,
```

```
seller_address VARCHAR(50) NOT NULL,
```

```
seller_suburb VARCHAR(30) NOT NULL,
```

```
seller_state CHAR(3) NOT NULL,
```

```
seller_phone CHAR(10),
```

```
seller_mobile CHAR(10),
```

```
seller_email VARCHAR(60) NOT NULL,
```

```
seller_mailing CHAR(1) NOT NULL,
```

```
CONSTRAINT PK_Seller PRIMARY KEY (seller_id),
```

```
CONSTRAINT BOOL_Seller CHECK (seller_mailing in ('Y', 'N'))
```

```
);
```

```
CREATE SEQUENCE seller_seq  
MINVALUE 1  
START WITH 1  
INCREMENT BY 1  
NOCACHE;
```

```
/* Buyer Table */
```

```
CREATE TABLE Buyer (  
  buyer_id INTEGER NOT NULL,  
  buyer_fname VARCHAR(20) NOT NULL,  
  buyer_lname VARCHAR(20) NOT NULL,  
  buyer_address VARCHAR(50) NOT NULL,  
  buyer_suburb VARCHAR(30) NOT NULL,  
  buyer_state CHAR(3) NOT NULL,  
  buyer_phone CHAR(10),  
  buyer_mobile CHAR(10),  
  buyer_email VARCHAR(60) NOT NULL,  
  buyer_mailing CHAR(1) NOT NULL,  
  CONSTRAINT PK_Buyer PRIMARY KEY (buyer_id),  
  CONSTRAINT BOOL_Buyer CHECK (buyer_mailing in ('Y', 'N'))  
);
```

```
CREATE SEQUENCE buyer_seq  
MINVALUE 1  
START WITH 1  
INCREMENT BY 1  
NOCACHE;
```

```
/* Property Type Table */
```

```
CREATE TABLE PropertyType (  

```

```
type_id INTEGER NOT NULL,  
type_name VARCHAR(30) NOT NULL,  
type_desc VARCHAR(150),  
CONSTRAINT PK_PropertyType PRIMARY KEY (type_id)  
);
```

```
CREATE SEQUENCE propertytype_seq  
MINVALUE 1  
START WITH 1  
INCREMENT BY 1  
NOCACHE;
```

```
/* Property Table */  
CREATE TABLE Property (  
property_id INTEGER NOT NULL,  
property_address VARCHAR(50) NOT NULL,  
property_suburb VARCHAR(30) NOT NULL,  
type_id INTEGER NOT NULL,  
property_bedrooms INTEGER NOT NULL,  
property_bathrooms INTEGER NOT NULL,  
property_carparks INTEGER NOT NULL,  
CONSTRAINT PK_Property PRIMARY KEY (property_id),  
CONSTRAINT FK_Property_type FOREIGN KEY (type_id)  
REFERENCES PropertyType(type_id)  
);
```

```
CREATE SEQUENCE property_seq  
MINVALUE 1  
START WITH 1  
INCREMENT BY 1  
NOCACHE;
```

```
/* Feature Table */  
CREATE TABLE Feature (  
feature_id INTEGER NOT NULL,  
feature_name VARCHAR(30) NOT NULL,  
feature_desc VARCHAR(250),  
CONSTRAINT PK_Feature PRIMARY KEY (feature_id)  
);
```

```
CREATE SEQUENCE feature_seq  
MINVALUE 1  
START WITH 1  
INCREMENT BY 1  
NOCACHE;
```

```
/* Property-Feature Table */  
CREATE TABLE PropertyFeature (  
property_id INTEGER NOT NULL,  
feature_id INTEGER NOT NULL,  
CONSTRAINT PK_PropertyFeature PRIMARY KEY (property_id, feature_id),  
CONSTRAINT FK_PropertyFeature_property FOREIGN KEY (property_id)  
REFERENCES Property(property_id),  
CONSTRAINT FK_PropertyFeature_feature FOREIGN KEY (feature_id)  
REFERENCES Feature(feature_id)  
);
```

```
/* Picture Table */  
CREATE TABLE Picture (  
pic_id INTEGER NOT NULL,  
pic_name VARCHAR(100) NOT NULL,  
property_id INTEGER NOT NULL,  
CONSTRAINT PK_Picture PRIMARY KEY (pic_id),  
CONSTRAINT FK_Picture_property FOREIGN KEY (property_id)
```

```
REFERENCES Property(property_id)
);
```

```
CREATE SEQUENCE picture_seq
MINVALUE 1
START WITH 1
INCREMENT BY 1
NOCACHE;
```

```
/* Listing Table */
CREATE TABLE Listing (
listing_id INTEGER NOT NULL,
seller_id INTEGER NOT NULL,
property_id INTEGER NOT NULL,
listing_desc VARCHAR(1000),
listing_date DATE NOT NULL,
listing_price INTEGER NOT NULL,
sale_date DATE,
sale_price INTEGER,
CONSTRAINT PK_Listing PRIMARY KEY (listing_id),
CONSTRAINT FK_Listing_seller FOREIGN KEY (seller_id)
REFERENCES Seller(seller_id),
CONSTRAINT FK_Listing_property FOREIGN KEY (property_id)
REFERENCES Property(property_id)
);
```

```
CREATE SEQUENCE listing_seq
MINVALUE 1
START WITH 1
INCREMENT BY 1
NOCACHE;
```