**SQL - CREATE TABLE STATEMENTS**

CREATE TABLE `address\_table` (

`address\_id` int NOT NULL AUTO\_INCREMENT,

`property\_id` int DEFAULT NULL,

`address` varchar(1000) DEFAULT NULL,

`street\_name` varchar(500) DEFAULT NULL,

`city` varchar(45) DEFAULT NULL,

`rstate` varchar(45) DEFAULT NULL,

`postcode` varchar(10) DEFAULT NULL,

PRIMARY KEY (`address\_id`),

);

CREATE TABLE `agency` (

`agency\_id` int NOT NULL AUTO\_INCREMENT,

`agency\_name` varchar(500) DEFAULT NULL,

PRIMARY KEY (`agency\_id`)

);

CREATE TABLE `house\_listing` (

`property\_id` int NOT NULL,

`agency\_id` int DEFAULT NULL,

`bedroom\_number` int DEFAULT NULL,

`bathroom\_number` int DEFAULT NULL,

`living\_space` int DEFAULT NULL,

`land\_space` decimal(9,2) DEFAULT NULL,

`property\_status` varchar(45) DEFAULT NULL,

`property\_type` varchar(45) DEFAULT NULL,

PRIMARY KEY (`property\_id`),

);

CREATE TABLE `price\_table` (

`price\_id` int NOT NULL AUTO\_INCREMENT,

`property\_id` int DEFAULT NULL,

`zestimate` int DEFAULT NULL,

`price` int DEFAULT NULL,

`price\_per\_unit` int DEFAULT NULL,

PRIMARY KEY (`price\_id`),

);

**SQL - INSERT DATA STATEMENTS**

INSERT INTO house\_listing (property\_id, bedroom\_number, bathroom\_number, living\_space, land\_space, property\_status, property\_type)

SELECT property\_id, bedroom\_number, bathroom\_number, living\_space, land\_space, property\_status, property\_type FROM df;

INSERT INTO price\_table(property\_id, zestimate, price, price\_per\_unit)

SELECT property\_id, zestimate, price, price\_per\_unit from df;

INSERT INTO address\_table(property\_id, address, street\_name, city, rstate, postcode)

SELECT property\_id, address, street\_name, city, rstate, postcode from df;

INSERT INTO agency (agency\_name)

SELECT distinct agency\_name from df;

UPDATE house\_listing h, df d

SET h.agency\_id =

(SELECT a.agency\_id from agency a

JOIN df d ON d.agency\_name=a.agency\_name

WHERE h.property\_id = d.property\_id)

WHERE h.property\_id = d.property\_id;

**FOREIGN KEY CONSTRAINTS**

alter table address\_table

add constraint FK\_address\_house

foreign key (property\_id) references house\_listing(property\_id);

alter table price\_table

add constraint FK\_price\_house

foreign key (property\_id) references house\_listing(property\_id);

alter table house\_listing

add constraint FK\_house\_agency

foreign key (agency\_id) references agency(agency\_id);