CREATE DATABASE db\_zoo2Plus;

CREATE TABLE tbl\_animalia (

animalia\_id INT PRIMARY KEY NOT NULL IDENTITY (1,1),

animalia\_type VARCHAR(50) NOT NULL

);

CREATE TABLE tbl\_class (

class\_id INT PRIMARY KEY NOT NULL IDENTITY (100,1),

class\_type VARCHAR(50) NOT NULL

);

CREATE TABLE tbl\_order (

order\_id INT PRIMARY KEY NOT NULL IDENTITY (1,1),

order\_type VARCHAR(50) NOT NULL

);

CREATE TABLE tbl\_care (

care\_id INT PRIMARY KEY NOT NULL IDENTITY (1,1),

care\_type VARCHAR(50) NOT NULL,

care\_specialist INT NOT NULL

);

CREATE TABLE tbl\_nutrition (

nutrition\_id INT PRIMARY KEY NOT NULL IDENTITY (2200,1),

nutrition\_type VARCHAR(50) NOT NULL,

nutrition\_cost MONEY NOT NULL

);

CREATE TABLE tbl\_habitat (

habitat\_id INT PRIMARY KEY NOT NULL IDENTITY (5000,1),

habitat\_type VARCHAR(50) NOT NULL,

habitat\_cost MONEY NOT NULL

);

CREATE TABLE tbl\_specialist (

specialist\_id INT PRIMARY KEY NOT NULL IDENTITY (1,1),

specialist\_fname VARCHAR(50) NOT NULL,

specialist\_lname VARCHAR(50) NOT NULL,

specialist\_contact VARCHAR(50) NOT NULL,

);

CREATE TABLE tbl\_species (

species\_id INT PRIMARY KEY NOT NULL IDENTITY (1, 1),

species\_name VARCHAR(50) NOT NULL,

species\_animalia INT NOT NULL CONSTRAINT fk\_animalia\_id FOREIGN KEY REFERENCES tbl\_animalia(animalia\_id) ON UPDATE CASCADE ON DELETE CASCADE,

species\_class INT NOT NULL CONSTRAINT fk\_class\_id FOREIGN KEY REFERENCES tbl\_class(class\_id) ON UPDATE CASCADE ON DELETE CASCADE,

species\_order INT NOT NULL CONSTRAINT fk\_order\_id FOREIGN KEY REFERENCES tbl\_order(order\_id) ON UPDATE CASCADE ON DELETE CASCADE,

species\_habitat INT NOT NULL CONSTRAINT fk\_habitat\_id FOREIGN KEY REFERENCES tbl\_habitat(habitat\_id) ON UPDATE CASCADE ON DELETE CASCADE,

species\_nutrition INT NOT NULL CONSTRAINT fk\_nutrition\_id FOREIGN KEY REFERENCES tbl\_nutrition(nutrition\_id) ON UPDATE CASCADE ON DELETE CASCADE,

species\_care VARCHAR(50) NOT NULL CONSTRAINT fk\_care\_id FOREIGN KEY REFERENCES tbl\_care(care\_id) ON UPDATE CASCADE ON DELETE CASCADE

);

INSERT INTO tbl\_animalia

(animalia\_type)

VALUES

('vertebrate'),

('invertebrate')

;

SELECT \* FROM tbl\_animalia;

INSERT INTO tbl\_class

(class\_type)

VALUES

('bird'),

('reptilian'),

('mammal'),

('arthropod'),

('fish'),

('worm'),

('cnidaria'),

('echinoderm')

;

SELECT \* FROM tbl\_class;

INSERT INTO tbl\_order

(order\_type)

VALUES

('carnivore'),

('herbivore'),

('omnivore')

;

SELECT \* FROM tbl\_order;

INSERT INTO tbl\_care

(care\_id, care\_type, care\_specialist)

VALUES

('care\_0', 'replace the straw', 1),

('care\_1', 'repair or replace broken toys', 4),

('care\_2', 'bottle feed vitamins', 1),

('care\_3', 'human contact\_pet subject', 2),

('care\_4', 'clean up animal waste', 1),

('care\_5', 'move subject to exercise pen', 3),

('care\_6', 'drain and refill aquarium', 1),

('care\_7', 'extensive dental work', 3)

;

SELECT \* FROM tbl\_care;

INSERT INTO tbl\_nutrition

(nutrition\_type, nutrition\_cost)

VALUES

('raw fish', 1500),

('living rodents', 600),

('mixture of fruit and rice', 800),

('warm bottle of milk', 600),

('syringe fed broth', 600),

('lard and seed mix', 300),

('aphids', 150),

('vitamins and marrow', 3500)

;

SELECT \* FROM tbl\_nutrition;

INSERT INTO tbl\_habitat

(habitat\_type, habitat\_cost)

VALUES

('tundra', 40000),

('grassy knoll with trees', 12000),

('10 ft pond and rocks', 30000),

('icy aquarium with snowy facade', 50000),

('short grass, shade and moat', 50000),

('netted forest atrium', 10000),

('jungle vines and windy branches', 15000),

('clive with shaded cave', 15000)

;

SELECT \* FROM tbl\_habitat;

INSERT INTO tbl\_specialist

(specialist\_fname, specialist\_lname, specialist\_contact)

VALUES

('margaret', 'nguyen', '384-576-2899'),

('mary', 'fischer', '384-784-4856'),

('arnold', 'holden', '385-475-3944'),

('kem', 'byesan', '384-485-4855'),

('delmonte', 'fyedo', '768-288-3749')

;

SELECT \* FROM tbl\_specialist;

INSERT INTO tbl\_species

(species\_name, species\_animalia, species\_class, species\_order, species\_habitat, species\_nutrition, species\_care)

VALUES

('brown bear', 1, 102, 3, 5007, 2200, 'care\_1'),

('jaguar', 1, 102, 1, 5007, 2200, 'care\_4'),

('penguin', 1, 100, 1, 5003, 2200, 'care\_6'),

('ghost bat', 1, 102, 1, 5007, 2204, 'care\_2'),

('chicken', 1, 100, 3, 5001, 2205, 'care\_0'),

('panda', 1, 102, 3, 5006, 2202, 'care\_4'),

('bobcat', 1, 102, 1, 5001, 2204, 'care\_5'),

('grey wolf', 1, 102, 1, 5000, 2201, 'care\_4')

;

SELECT \* FROM tbl\_species;