1. People: pid → firstName, lastName, age

Engineers: pid → highest degree, favorite video game

Flight Control Operators: pid → chair preference, preferred drink

Astronauts: pid → yearsFlying, golf handicap

Crew: pid, tail number →

Spacecraft: tail number → name, weight in tons, fuel type, crew capacity

Systems: sid → name, description

Parts: partsid → name, description

Suppliers: suppliersid → name, address, paymentterms

Catalog: partsid, suppliersid

DROP TABLE IF EXISTS people;

DROP TABLE IF EXISTS engineers;

DROP TABLE IF EXISTS Operators;

DROP TABLE IF EXISTS astronauts;

DROP TABLE IF EXISTS crew;

DROP TABLE IF EXISTS spacecraft;

DROP TABLE IF EXISTS systems;

DROP TABLE IF EXISTS parts;

DROP TABLE IF EXISTS suppliers;

DROP TABLE IF EXISTS catalog;

-- People --

CREATE TABLE people (

pid char(40) not null,

firstName varchar(20) not null,

lastName varchar(20) not null,

age int not null,

primary key(pid)

);

-- Operators --

CREATE TABLE operators (

pid char(40) not null references people(pid),

chairPreference varchar(10) not null,

preferredDrink varchar(10) not null,

primary key(pid)

);

-- Engineers --

CREATE TABLE engineers (

pid char(4) not null references people(pid),

highestDegree varchar(25) not null,

fovoriteVideoGame varchar(30) not null,

primary key(pid)

);

-- Astronauts --

CREATE TABLE astronauts (

pid char(4) not null references people(pid),

yearsFlying int not null,

golfHandicap decimal not null,

primary key(pid)

);

-- Crew --

CREATE TABLE crew (

pid char(40) not null references people(pid),

tailnumber char(10) not null references spacecraft(tailnumber),

primary key(pid)

);

-- Spacecraft --

CREATE TABLE spacecraft (

tailnumber char(10) not null,

name char(20) not null,

weightinTons int not null,

fuelType char(20) not null,

crewCapacity int not null,

primary key(tailnumber)

);

-- Systems --

CREATE TABLE systems (

sid char(10) not null,

name varchar(20) not null,

description varchar(50) not null,

primary key(sid)

);

-- Parts --

CREATE TABLE parts (

partsid char(10) not null,

name varchar(20) not null,

description varchar(50) not null,

primary key(partsid)

);

-- Suppliers --

CREATE TABLE suppliers (

suppliersid char(15) not null,

name varchar(20) not null,

address varchar(40) not null,

paymentterms char(50) not null,

primary key(suppliersid)

);

-- Catalog --

CREATE TABLE catalog (

partsid char(10) not null references parts(partsid),

suppliersid char(15) not null references suppliers(suppliersid),

primary key(partsid, suppliersid)

);

-- People

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p001', 'Charles', 'Camarda', 35);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p002', 'Frank', 'Borman', 33);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p003', 'Daniel', 'Bursch ', 34);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p004', 'Yvonne', 'Cagle', 33);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p005', 'Vance', 'Brand', 41);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p006', 'John', 'Blaha', 39);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p007', 'Roy', 'Bridges', 30);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p009', 'John', 'Casper', 31);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p010', 'Robert', 'Curbeam', 38);

INSERT INTO people( pid, firstName, lastName, age)

VALUES('p011', 'Dirk', 'Frimout', 40);

-- Operators --

INSERT INTO operators( pid, chairPreference , preferredDrink )

VALUES('p002', 'Captain' 'Tickler' );

INSERT INTO operators( pid, chairPreference , preferredDrink )

VALUES('p006', Commander', 'Brandy' );

-- Engineers --

INSERT INTO engineers( pid, highest degree, fovorite video game )

VALUES('p003', 'masters degree', 'mario cart' );

INSERT INTO engineers( pid, highest degree, fovorite video game )

VALUES('p005', 'doctors degree', 'super smash bros' );

INSERT INTO engineers( pid, highest degree, fovorite video game )

VALUES('p007', 'masters degree', 'prince of persia' );

-- Astronauts --

INSERT INTO astronauts( pid, yearsFlying, golfHandicap )

VALUES('p001', 10, 21.6025);

INSERT INTO astronauts( pid, yearsFlying, golfHandicap )

VALUES('p004', 5, 19.781);

INSERT INTO astronauts( pid, yearsFlying, golfHandicap )

VALUES('p008', 7, 24.5062);

-- Crew

INSERT INTO crew( pid, tailnumber)

VALUES('p009', 'N234AA');

INSERT INTO crew( pid, tailnumber)

VALUES('p010', 'N240AA');

INSERT INTO crew( pid, tailnumber)

VALUES('p011', 'N256AA');

-- Spacecraft --

INSERT INTO spacecraft( tailnumber, name, weight in tons, fuel type, crew capacity )

VALUES('N234AA', 'Death Star', 2500, 'Liquid Hydrogen', 5 );

INSERT INTO spacecraft( tailnumber, name, weight in tons, fuel type, crew capacity )

VALUES('N256AA', 'Ebon Hawk', 2030, 'liquid Hydrogen', 6 );

INSERT INTO spacecraft( tailnumber, name, weight in tons, fuel type, crew capacity )

VALUES('N240AA', 'Outrider', 2210, 'liquid Hydrogen', 4 );

-- Systems

INSERT INTO systems( sid, name, description )

VALUES('s003', 'Electrical Power', 'for providing electricity to the spacecraft');

INSERT INTO systems( sid, name, description )

VALUES('s011', 'Antennas', 'for sending and receiving data');

INSERT INTO systems( sid, name, description )

VALUES('s012', 'Control Systems', 'for helping to guide the spacecraft to its destination and for keeping it oriented correctly');

-- Parts

INSERT INTO parts( partsid, name, description )

VALUES('parts001', 'Engines', 'provide the thrust to lift the Orbiter off the ground for the initial ascent');

INSERT INTO parts( partsid, name, description )

VALUES('parts002', 'Nozzle', 'control the direction or characteristics of a fluid flow, especially to increase velocity');

INSERT INTO parts( partsid, name, description )

VALUES('parts003', 'Propellant', 'propellants are used to produce a gas that can be directed through a nozzle');

-- Suppliers --

INSERT INTO suppliers( suppliersid, name, address, paymentterms )

VALUES('suppliers001', 'Ben', 'Nelson ave', 'within 30 days by cheque or money transfer');

INSERT INTO suppliers( suppliersid, name, address, paymentterms )

VALUES('suppliers002', 'Ken', 'Parks st', 'within 10 days by cheque or money transfer');

INSERT INTO suppliers( suppliersid, name, address, paymentterms )

VALUES('suppliers003', 'Nick', 'University ave', 'within 50 days by cheque or money transfer');

-- Catalog --

INSERT INTO catalog( partsid, suppliersid )

VALUES('parts003', 'suppliers001);

INSERT INTO catalog( partsid, suppliersid )

VALUES('parts001', 'supliers002');

INSERT INTO catalog( partsid, suppliersid )

VALUES('parts002', 'suppliers003');

select \*

from people

select \*

from engineers

select \*

from operators

select \*

from astronauts

select \*

from crew;

select \*

from spacecraft

select \*

from systems

select \*

from parts

select \*

from suppliers

select \*

from Catalog