

DROPDB FleetVehicle

Createdb FleetVehicle

\h CREATE INDEX

```
CREATE TABLE Departments (  
  department_ID int PRIMARY KEY,  
  department_name text UNIQUE,  
);
```

```
INSERT INTO Departments (department_ID, department_name)  
VALUES (1, 'Move Team'), (2, 'Bldg. Services'), (3, 'Access Control'),  
(4, 'Mailing/Receiving'), (5, 'Grounds'), (6, 'Grounds EXT'), (7, 'Grounds SUP'),  
(8, 'Grounds Auto'), (9, 'Carpenter'), (10, 'Carpenter Sup'), (11, 'Carpenter Roof'),  
(12, 'Const. Shop'), (13, 'Paint'), (14, 'Mason'), (15, 'Electric Shop'),  
(16, 'HV AC Shop'), (17, 'HV AC Shop PH'), (18, 'Plumbing Shop'), (19, 'Repair'),  
(20, 'Information Tech'), (21, 'Telecommunications'), (22, 'Biology'), (23, 'School of Ed'),  
(24, 'Bonner Center'), (25, 'Campus PD'), (26, 'Admissions'), (27, 'Fleet Loaner'),  
(28, 'Athletics');
```

```
CREATE TABLE Vehicle_Types (  
  vehicleType_ID int PRIMARY KEY,  
  vehcile_type text UNIQUE,  
);
```

```
INSERT INTO Vehicle_Types (VehcileType_ID, Vehicle_Type)  
VALUES ('1', 'Pick-Up Truck - Med./Heavy Duty'), ('2', 'Van - Passenger'), ('3', 'Pick-Up Truck -  
Light Duty')  
(4, 'Low Speed - Utility'), ('5', 'Van - Cargo'), ('6', 'Passenger Vehicle'), ('7', 'Public Safety  
Vehicle'), ('8', 'Pick-Up Truck - Light Duty');
```

```
CREATE TABLE Model (  
  make text,  
  model VARCHAR(255),  
  year int,  
  model_ID int PRIMARY KEY,  
  replacement_year int,  
  vehicleType_ID int,  
  FOREIGN KEY (vehicleType_ID) REFERENCES Vehicle_Types (vehicleType_ID)  
);
```

```

CREATE TABLE Vehicle (
initial_cost int,
license_plate_number int PRIMARY KEY,
current_model_ID,
department_ID int,
FOREIGN KEY (department_ID) REFERENCES Departments(department_ID)
FOREIGN KEY (current_model_ID) REFERENCES Model(model_ID)
);

```

```

INSERT INTO Vehicle(initial_cost, license_plate_number, current_model_ID, department_ID)
VALUES

```

```

(60000, 'C90-ELE', 1, 1), (20000, 'K47-EGC', 2, 2), (21000, 'N33-FNX', 3, 2)
(50000, 'GWA-88B', 4, 2), (52000, '700-BRM', 5, 2), (61000, 'E33-LAD', 6, 2),
(45000, 'RPR-71U', 7, 1), (48000, '872-SAA', 8, 2), (30000, '646-LUA', 9, 3),
(35000, '827-LBB', 10, '3), (45000, 'RYV-615', 11, 3), (48000, 'YAH-87F', 12, 3),
(52000, 'E97-CAS', 13, 4), (54000, 'CZW-91L', 14, 4), (57000, 'PDN-433', 15, 4),
(58000, 'L81-CRA', 16, 5), (59000, 'N56-DTU', 17, 5), (63000, 'BJS-744', 18, 5),
(67000, 'JPU-19N', 19, 6), (63000, '278-ADP', 20, '5), (23000, 'A27-AAA', 21, 5),
(24000, 'RFY-67F', 22, 6), (25000, 'ZUP-36A', 23, 5), (26000, 'J70-EDB', 24, 5),
(27000, 'YYS-95E', 25, 5), (28000, 'H98-GHT', 26, 5), (29000, 'VLW-48T', 27, 6),
(30000, 'VEC-40Z', 28, 5), (31000, 'BUX-39G', 29, 7), (32000, 'XAB-235', 30, '8),
(33000, 'ZHP-863', 31, 9), (34000, '485-BGM', 32, 9), (35000, 'G74-MBB', 33, 9),
(36000, 'ZCS-74S', 34, 10), (37000, 'W32-BUK', 35, 11), (38000, 'WDB-102', 36, 12),
(39000, 'G91-LAC', 37, 12), (40000, 'J19-EJJ', 38, 12), (41000, 'F57-DRT', 39, 12),
(42000, 'H51-FMS', 40, '13), (43000, 'WHT-53B', 41, 14), (44000, 'LPE-53U', 42, 12),
(45000, 'WAA-33A', 43, 15), (46000, 'C75-MRN', 44, 15), (47000, 'R78-EUT', 45, 15),
(48000, 'WAN-37R', 46, 15), (49000, '265-LYA', 47, 15), (50000, 'UJC-27D', 48, 16),
(51000, 'BBG-29R', 49, 16), (52000, 'D41-EYD', 50, '16), (53000, 'APW-362', 51, 16),
(54000, 'A22-EFY', 52, 16), (55000, '726-IJG', 53, 16), (56000, 'T27-ADF', 54, 16),
(57000, 'VZX-78L', 55, 17), (58000, 'JAA-78M', 56, 18), (59000, '770-FYD', 57, 18),
(60000, 'JBV-47W', 58, 18), (61000, 'JWK-52C', 59, 18), (62000, 'GA3-DLC', 60, '18),
(63000, 'ZVR-19X', 61, 18), (64000, 'PCA-17U', 62, 18), (25000, 'B42-LBJ', 63, 19),
(26000, 'R51-FDC', 64, 19), (27000, 'A40-EFF', 65, 19), (28000, 'B55-BBG', 66, 16),
(29000, 'YZF-16X', 67, 20), (30000, 'Z29-EZY', 68, 20), (31000, 'LBT-68A', 69, 21),
(32000, 'H92-FCP', 70, '21), (33000, 'F90-GAJ', 71, 22), (34000, 'VNV-94S', 72, 23),
(35000, 'N43-DRG', 73, 24), (36000, 'TDU-61M', 74, 24), (37000, 'R57-ELF', 75, 24),
(38000, 'C11-FRB', 76, 24), (39000, 'P84-KJK', 77, 24), (40000, 'STG-20N', 78, 24),
(41000, 'LKU-80U', 79, 25), (42000, 'S14-FPA', 80, '25), (43000, 'XCJ-S77', 81, 25),

```

(44000, '520-GUZ', 82, 25), (45000, 'JAC-99U', 83, 25), (46000, 'UXC-14T', 84, 25),
(47000, 'T47-M4X', 85, 25), (48000, 'P35-FHV', 86, 26), (49000, 'C37-FHE', 87, 27),
(50000, 'TBE-39R', 88, 27), (51000, 'Z58-KFD', 89, 26), (52000, 'VPY-43W', 90, '28'),
(53000, 'PVG-58G', 91, 28), (54000, 'W11-JBC', 92, 28), (55000, 'MWT-32X', 93, 28),
(56000, 'L82-CAR', 94, 28), (57000, 'NF7-DFU', 95, 28), (58000, 'V56-FKD', 96, 28),
(59000, 'TSW-45C', 97, 28),

```
CREATE TABLE Cost_Types (  
Cost_Type_ID int PRIMARY KEY,  
Cost_Type_Name text,  
);
```

```
INSERT INTO Cost_Types(cost_type_ID, cost_type_name)  
VALUES (1, 'tires_cost'), (2, 'insurance_cost'),  
(3, 'fuel_cost'), (4, 'repairs_cost'),  
(5, 'maintenance_cost');
```

```
CREATE TABLE Invoices (  
Invoice_Number int PRIMARY KEY,  
License_Plate_Number varchar(255),  
FOREIGN KEY (License_Plate_Number) REFERENCES Vehicle(License_Plate_Number)  
);
```

```
INSERT INTO Invoices (Invoice_Number, License_Plate_Number)  
VALUES  
(20201030-407-001, 'C90-ELE'), (20210921-301-001, 'K47-EGC'), (20200541-306-001,  
'N33-FNX'), (20200612-307-001, 'GWA-88B'), (20210912-303-001, '700-BRM'),  
(20191231-901-001, 'E33-LAD'),  
(20200812-345-001, 'RPR-71U'), (20200527-844-001, '872-SAA'), (20210716-129-001,  
'646-LUA'),  
(20200622-736-001, '827-LBB'), (20210831-944-001, 'RYV-615'), (20200313-678-001,  
'YAH-87F'),  
(20220117-078-001, 'E97-CAS'), (20211221-667-001, 'CZW-91L'), (20220401-233-001,  
'PDN-433'),  
(20220317-005-001, 'L81-CRA'), (20170922-358-001, 'N56-DTU'), (20211018-284-001,  
'BJS-744'),  
(20220312-385-001, 'JPU-19N'), (20120731-053-001, '278-ADP'), (20190522-946-001,  
'A27-AAA'),
```

(20200714-754-001, 'RFY-67F'), (20190522-475-001, 'ZUP-36A'), (20200619-365-001, 'J70-EDB'),
(20190607-922-001, 'YYS-95E'), (20180419-099-001, 'H98-GHT'), (20180503-994-001, 'VLW-48T'),
(20220116-385-001, 'VEC-40Z'), (20220201-386-001, 'BUX-39G'), (20210926-663-001, 'XAB-235'),
(20201031-903-001, 'ZHP-863'), (20211113-115-001, '485-BGM'), (20191118-293-001, 'G74-MBB'),
(20181213-045-001, 'ZCS-74S'), (20201016-385-001, 'W32-BUK'), (20200313-299-001, 'WDB-102'),
(20200821-994-001, 'G91-LAC'), (20210715-294-001, 'J19-EJJ'), (20200417-355-001, 'F57-DRT'),
(20191019-277-001, 'H51-FMS'), (20170312-155-001, 'WHT-53B'), (20170622-064-001, 'LPE-53U'),
(20171112-776-001, 'WAA-33A'), (20170621-845-001, 'C75-MRN'), (20190101-922-001, 'R78-EUT'),
(20220129-233-001, 'WAN-37R'), (20170516-044-001, '265-LYA'), (20170420-375-001, 'UJC-27D'),
(20181201-039-001, 'BBG-29R'), (20170626-885-001, 'D41-EYD'), (20170422-123-001, 'APW-362'),
(2017028-790-001, A22-EFY), (20201227-159-001, 726-IJG'), (20220403-559-001, 'T27-ADF'),
(20190928-322-001, 'VZX-78L'), (20190229-066-001, 'JAA-78M'), (20220228-699-001, '770-FYD'),
(20201029-569-001, JBV-47W'), (20180726-947-001, 'JWK-52C'), (20190821-045-001, 'GA3-DLC'),
(20200624-945-001, ZVR-19X'), (20171115-033-001, 'PCA-17U'), (2022-0315-444-001, 'B42-LBJ'),
(20190405-721-001, R51-FDC'), (20170522-941-001, 'A40-EFF'), (20171019-225-001, 'B55-BBG'),
(20170513-024-001, YZF-16X'), (20180827-339-001, 'Z29-EZY'), (20181014-999-001, 'LBT-68A'),
(20190522-911-001, 'H92-FCP'), (20200227-001-001, 'F90-GAJ'), (20220113-421-001, 'VNV-94S'),
(20170923-921-001, 'N43-DRG'), (20201220-091-001, 'TDU-61M'), (20180429-232-001, 'R57-ELF'),
(2019-0522-850-001, 'C11-FRB'), (20220202-002-001, 'P84-KJK'), (20170822-987-001, 'STG-20N'),
(20220325-166-001, 'LKU-80U'), (20170714-489-001, 'S14-FPA'), (20191212-035-001, 'XCJ-S77'),
(20190304-844-001, '520-GUZ'), (2022-0407-125-001, 'JAC-99U'), (20170109-439-001, 'UXC-14T'),
(20170423-892-001, T47-M4X'), (20220317-223-001, 'P35-FHV'), (20170519-239-001, 'C37-FHE'),

('20210904-220-001, TBE-39R'), (20200822-495-001, 'Z58-KFD'), (2021-1030-348-001, 'VPY-43W'),
(20170230-238-001, 'PVG-58G'), (20190317-395-001, 'W11-JBC'), (20170915-337-001, 'MWT-32X'),
(20190625-044-001, 'L82-CAR'), (20190330-028-001, 'NF7-DFU'), (20210327-485-001, 'V56-FKD'),
(20171014-027-001, 'TSW-45C');

```
CREATE TABLE Invoice_Items (  
  Invoice_Item_ID int PRIMARY KEY,  
  Amount int,  
  Invoice_number,  
  cost_type_ID,  
  FOREIGN KEY (Invoice_Number) REFERENCES Invoices(Invoice_Number)  
  FOREIGN KEY (Cost_Type_ID) REFERENCES Cost_Types(Cost_Type_ID)  
);
```

```
INSERT INTO Invoice_Items (Invoice_Item_ID, Invoice_Number, Cost_Type_ID, Amount)  
VALUES  
(1, 20201030-407-001, 1, 500), (2, 20210921-301-001, 2, 640), (3, 20200541-306-001, 5,  
1023), (4, 20200612-307-001, 4, 325), (5, 20210912-303-001, 3, 1023), (6, 20191231-901-001,  
3, 945),  
(7, 20200812-345-001, 2, 344), (8, 20200527-844-001, 4, 590), (9, 20210716-129-001, 5, 920),  
(10, 20200622-736-001, 1, 224), (11, 20210831-944-001, 3, 570), (12, 20200313-678-001, 2,  
670),  
(13, 20220117-078-001, 3, 770), (14, 20211221-667-001, 1, 566 ), (15, 20220401-233-001, 5,  
300),  
(16, 20220317-005-001, 4, 960), (17, 20170922-358-001, 3, 1044), (18, 20211018-284-001, 4,  
680),  
(19, 20220312-385-001, 3, 560), (20, 20120731-053-001, 3, 990), (21, 20190522-946-001, 2,  
460),  
(22, 20200714-754-001, 5, 780), (23, 20190522-475-001, 5, 447), (24, 20200619-365-001, 3,  
690),  
(25, 20190607-922-001, 4, 1100), (26, 20180419-099-001, 4, 595), (27, 20180503-994-001, 4,  
780),  
(28, 20220116-385-001, 2, 908), (29, 20220201-386-001, 1, 705), (30, 20210926-663-001, 3,  
406),  
(31, 20201031-903-001, 5, 900), (32, 20211113-115-001, 1, 950), (33, 20191118-293-001, 2,  
1008),  
(34, 20181213-045-001, 2, 550), (35, 20201016-385-001, 3, 760), (36, 20200313-299-001, 5,  
750),
```

(37, 20200821-994-001, 3, 499), (38, 20210715-294-001, 2, 870), (39, 20200417-355-001, 2, 907),
(40, 20191019-277-001, 1, 600), (41, 20170312-155-001, 3, 700), (42, 20170622-064-001, 5, 1005),
(43, 20171112-776-001, 5, 300), (44, 20170621-845-001, 3, 600), (45, 20190101-922-001, 2, 700),
(46, 20220129-233-001, 5, 1100), (47, 20170516-044-001, 4, 699), (48, 20170420-375-001, 3, 600),
(49, 20181201-039-001, 3, 890), (50, 20170626-885-001, 2, 990), (51, 20170422-123-00, 1, 660),
(52, '2017028-790-001, 3, 605), (53, '20201227-159-001, 4, 799), (54, 20220403-559-001, 2, 609),
(55, 20190928-322-001, 5, 500), (56, 20190229-066-001, 3, 555), (57, 20220228-699-001, 1, 690),
(58, '20201029-569-001, 3, 409), (59, 20180726-947-001, 4, 440), (60, 20190821-045-001, 2, 808),
(61, '20200624-945-001, 4, 790), (62, 20171115-033-001, 3, 990), (63, 2022-0315-444-001, 1, 1033),
(64, '20190405-721-001, 1, 990), (65, 20170522-941-001, 2, 1014), (66, 20171019-225-001, 4, 866),
(67, '20170513-024-001, 5, 609), (68, 20180827-339-001, 5, 709), (69, 20181014-999-001, 5, 933),
(70, 20190522-911-001, 1, 1000), (71, 20200227-001-001, 2, 708), (72, 20220113-421-001, 2, 800),
(73, 20170923-921-001, 5, 969), (74, 20201220-091-001, 5, 590), (75, 20180429-232-001, 3, 440),
(76, 2019-0522-850-001, 1, 809), (77, 20220202-002-001, 2, 708), (78, 20170822-987-001, 3, 1090),
(79, 20220325-166-001, 2, 1070), (80, 20170714-489-001, 1, 1190), (81, 20191212-035-001, 3, 250),
(82, 20190304-844-001, 4, 700), (83, 2022-0407-125-001, 5, 330), (84, 20170109-439-001, 5, 950),
(85, '20170423-892-001, 3, 920), (86, 20220317-223-001, 2, 500), (87, 20170519-239-001, 2, 650),
(88, '20210904-220-001, 4, 690), (89, 20200822-495-001, 3, 790), (90, 2021-1030-348-001, 2, 788),
(91, 20170230-238-001, 2, 1024), (92, 20190317-395-001, 5, 1100), (93, 20170915-337-001, 4, 340),
(94, 20190625-044-001, 3, 607), (95, 20190330-028-001, 2, 700), (96, 20210327-485-001, 2, 309),
(97, 20171014-027-001, 1, 999);

```

CREATE TABLE Emissions (
  emission_id integer SERIAL PRIMARY KEY,
  license_plate_number int,
  engine_type varchar(255),
  FOREIGN KEY (engine_type)
  REFERENCES Engine_Types (engine_type),
);

```

```

INSERT INTO Emissions (license_plate_number, engine_type)
VALUES

```

```

('C90-ELE', 'ICE'), ('K47-EGC', 'ICE'), ('N33-FNX', 'ICE')
('GWA-88B', 'ICE'), ('700-BRM', 'ICE'), ('E33-LAD', 'ICE'),
('RPR-71U', 'ICE'), ('872-SAA', 'ICE'), ('646-LUA', 'ICE'),
('827-LBB', 'ICE'), ('RYV-615', 'ICE'), ('YAH-87F', 'ICE'),
('E97-CAS', 'ICE'), ('CZW-91L', 'ICE'), ('PDN-433', 'ICE'),
('L81-CRA', 'ICE'), ('N56-DTU', 'ICE'), ('BJS-744', 'ICE'),
('JPU-19N', 'ICE'), ('278-ADP', 'ICE'), ('A27-AAA', 'ICE'),
('RFY-67F', 'ICE'), ('ZUP-36A', 'ICE'), ('J70-EDB', 'ICE'),
('YYS-95E', 'ICE'), ('H98-GHT', 'ICE'), ('VLW-48T', 'ICE'),
('VEC-40Z', 'ICE'), ('BUX-39G', 'ICE'), ('XAB-235', 'ICE'),
('ZHP-863', 'ICE'), ('485-BGM', 'ICE'), ('G74-MBB', 'ICE'),
('ZCS-74S', 'ICE'), ('W32-BUK', 'ICE'), ('WDB-102', 'ICE'),
('G91-LAC', 'ICE'), ('J19-EJJ', 'ICE'), ('F57-DRT', 'ICE'),
('H51-FMS', 'ICE'), ('WHT-53B', 'ICE'), ('LPE-53U', 'ICE'),
('WAA-33A', 'ICE'), ('C75-MRN', 'ICE'), ('R78-EUT', 'ICE'),
('WAN-37R', 'ICE'), ('265-LYA', 'ICE'), ('UJC-27D', 'ICE'),
('BBG-29R', 'ICE'), ('D41-EYD', 'ICE'), ('APW-36', 'ICE'),
('A22-EFY', 'ICE'), ('726-IJG', 'ICE'), ('T27-ADF', 'ICE'),
('VZX-78L', 'ICE'), ('JAA-78M', 'ICE'), ('770-FYD', 'ICE'),
('JBV-47W', 'ICE'), ('JWK-52C', 'ICE'), ('GA3-DLC', 'ICE'),
('ZVR-19X', 'ICE'), ('PCA-17U', 'ICE'), ('B42-LBJ', 'ICE'),
('R51-FDC', 'ICE'), ('A40-EFF', 'ICE'), ('B55-BBG', 'ICE'),
('YZF-16X', 'ICE'), ('Z29-EZY', 'ICE'), ('LBT-68A', 'ICE'),
('H92-FCP', 'ICE'), ('F90-GAJ', 'ICE'), ('VNV-94S', 'ICE'),
('N43-DRG', 'ICE'), ('TDU-61M', 'ICE'), ('R57-ELF', 'ICE'),
('C11-FRB', 'ICE'), ('P84-KJK', 'ICE'), ('STG-20N', 'ICE'),
('LKU-80U', 'ICE'), ('S14-FPA', 'ICE'), ('XCJ-S77', 'ICE'),

```

```
CREATE TABLE Emission_Details (
emission_detail_id SERIAL PRIMARY KEY,
emission_type_id SERIAL varchar(255),
emission_id integer SERIAL UNIQUE,
annual_emissions varchar(255),
FOREIGN KEY (emission_id)
REFERENCES Emissions (emission_id),
FOREIGN KEY (emission_type_id)
REFERENCES Emission_Types (emission_type_id) MATCH FULL);
);
```

[illegible]


```
CREATE TABLE Emission_Types (
  emission_type_id SERIAL PRIMARY KEY,
  emission_type_name varchar(255),
);
```

```
INSERT INTO Emission_Types ( emission_type_name )
VALUES
```

[illegible]

```
CREATE TABLE Engine_Types (
engine_type_id SERIAL PRIMARY KEY,
engine_type varchar(255),
FOREIGN KEY (engine_type)
REFERENCES Emissions (engine_type) MATCH FULL);
);
```

[illegible]