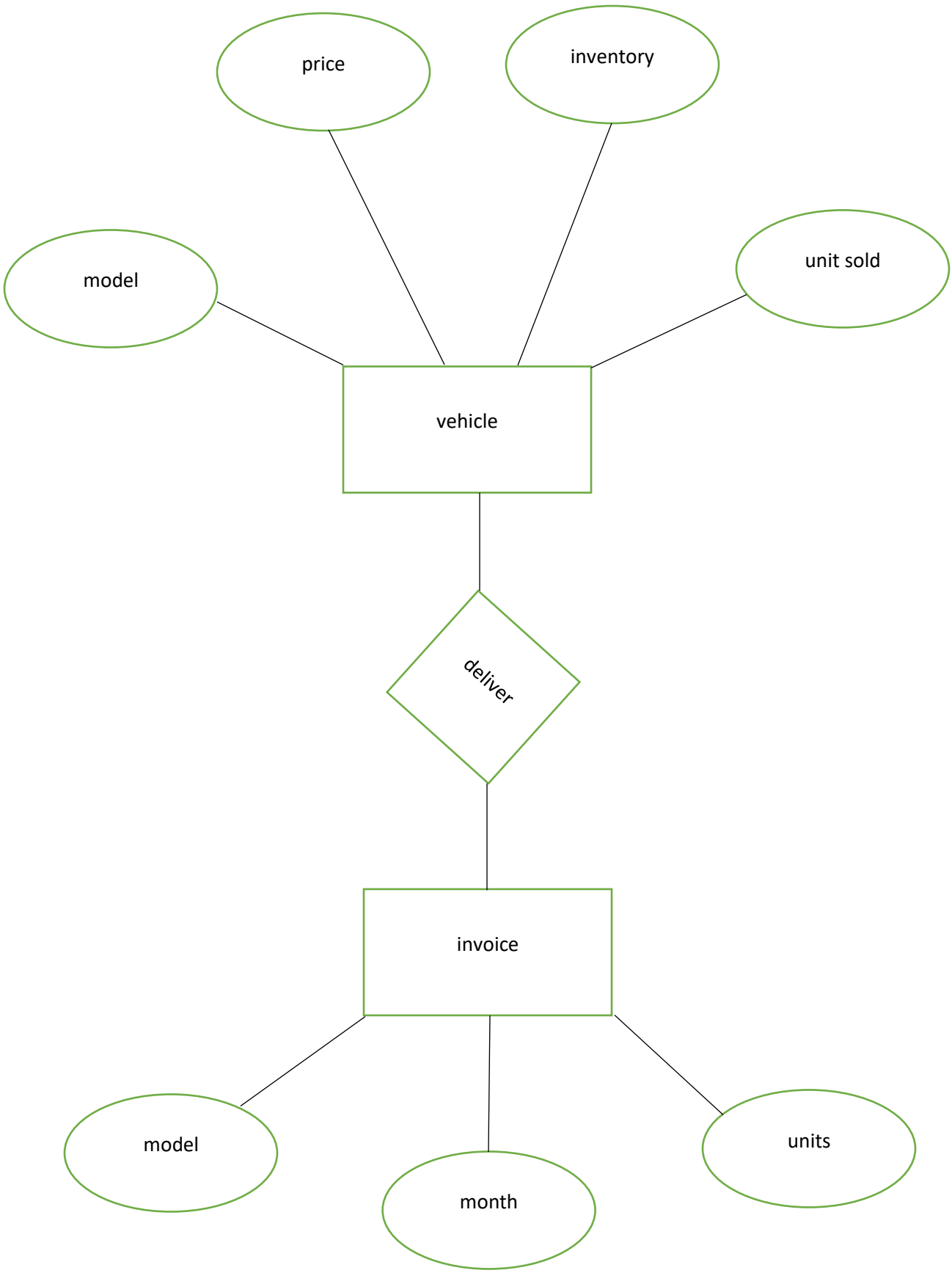
ERD


price
inventory
model
unit sold
vehicle
deliver
invoice
model
month
units

SQL Queries

```
create database Toyota
use Toyota
create table vehicle (model varchar(30) not null, price double, invoice double, unit_sold int
, inventory int);
create table toyota_worth (month varchar(11), corola_sold int, camry_sold int, CHR_sold int,
avalon_sold int, prius_sold int, tacoma_sold int, tundra_sold int); );
create table toyota_north_worth (month varchar(11), corola_sold int, camry_sold int, CHR_sold
 int, avalon_sold int, prius_sold int, tacoma_sold int, tundra_sold int);
create table toyota_dallas (month varchar(11), corola_sold int, camry_sold int, CHR_sold int,
 avalon_sold int, prius_sold int, tacoma_sold int, tundra_sold int);
create table toyota_lexus (month varchar(11), corola_sold int, camry_sold int, CHR_sold int,
avalon_sold int, prius_sold int, tacoma_sold int, tundra_sold int);

insert into vehicle values ("Corolla", 18218, 17000, 4, 1000);
insert into vehicle values ("Camry", 23343, 22000, 4, 1000);
insert into vehicle values ("Avalon", 31524, 28200, 4, 1000);
insert into vehicle values ("C-HR", 19605, 16750, 6, 1200);
insert into vehicle values ("Prius", 23299, 21100, 4, 1200);
insert into vehicle values ("Tacoma", 26055, 24000, 5, 1100);
insert into vehicle values ("Tundra", 33483, 30000, 6, 1300);
```

Questions

- **How much revenue did the Camry bring to Lexus of Commerce for February?**

Revenue = sales * sales price
= 2 * $23,343
= $46,684

- **What is the total revenue for the year?**

CAR	REVENUE GENERATED
COROLLA	39 * 18218 = $ 3,918,218
CAMRY	13 * 23343 = $ 304,642
C-HR	63 * 31524 = $ 1,986,012
AVALON	48 * 19605 = $ 941,040
PRIUS	38 * 26055 = $ 885,362
TACOMA	47 * 26055 = $ 1,224,584
TUNDRA	51 * 33483 = $ 1,707,633

Net Revenue = $ 10,967,491

- **What is the gross profit for the year?**

Profit = revenue – cost of sold cars
= $ 10,967,491 – 6,989,400
= $ 3,978,091

- **How much revenue did each car provide for the year?**

Car	*Revenue*
Corolla	39 * 18218 = $ 3,918,218
Camry	13 * 23343 = $ 304,642
C-HR	63 * 31524 = $ 1,986,012
Avalon	48 * 19605 = $ 941,040
Prius	38 * 26055 = $ 885,362
Tacoma	47 * 26055 = $ 1,224,584
Tundra	51 * 33483 = $ 1,707,633

- **What is the final inventory of the Tacoma?**

Final inventory = 1300 – 51
= 1294

- **If the retail price of the Prius increases by 10%, what is the gross profit margin?**

  10% of 26055 = 2605.5

  New retail price = $ 26055 + $ 2605.5 = $ 28,660.5

  Gross profit margin = [(47*286,605.5) – (47*24,000)] / (47*286,605.5)

  = 6.14

- **How many vehicles were ordered in January?**

  Vehicle ordered in January 2019 = 23

- **What is the revenue per year per location?**
  - **Revenue at Toyota Fort Worth**

    = $ 455450 + $ 116715 + $ 1324008 + $ 1039065 + $ 489279 + $ 208446 + $ 368313

    = $ 4,001,270
  - **Revenue at Toyota North Fort Worth**

    = $ 91060 + $ 315240 + $ 781650 + $ 1138422

    = $ 2,326,372
  - **Revenue at Toyota Dallas**

    = $ 54654 + $ 117630 + $ 157620 + $ 116495 + $ 100449

    = $ 546,848
  - **Revenue at Lexus of Commerce**

    = $ 91090 + $ 186744 + $ 315240 + $ 279588 + $ 234495 + $ 100449

    = $ 1,207,606

The END