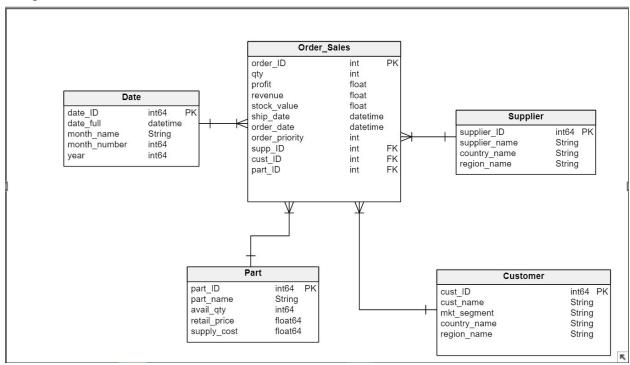
Scott Harris + Noah Dunn Mini-Project #2 2/29/2020

Schema

Please Note: Vertabello cancelled my trial, so all the ID parameters should be classified as strings and not ints



Schema DDL

```
-- Created by Vertabelo (http://vertabelo.com)
-- Last modification date: 2020-02-20 16:20:40.989
-- tables
-- Table: Customer

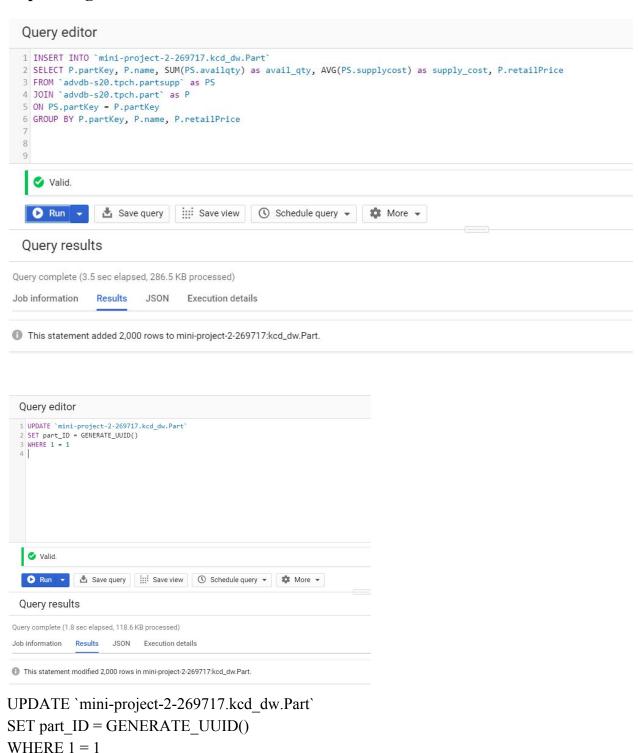
CREATE TABLE IF NOT EXISTS `kcd_dw.Customer` (
    cust_ID String NOT NULL,
    cust_name String NOT NULL,
    mkt_segment String NOT NULL,
    country_name String NOT NULL,
    region_name String NOT NULL,
);
-- Table: Date
```

```
CREATE TABLE IF NOT EXISTS `kcd dw.Date` (
   date ID String NOT NULL,
   date full datetime NOT NULL,
   month name String NOT NULL,
   month number int64 NOT NULL,
   year int64 NOT NULL,
);
-- Table: Order Sales
CREATE TABLE IF NOT EXISTS `kcd dw.Order Sales` (
   order ID String NOT NULL,
   qty int64 NOT NULL,
   profit float64 NOT NULL,
   revenue float64 NOT NULL,
   stock value float64 NOT NULL,
   ship date datetime NOT NULL,
   order date datetime NOT NULL,
   order priority String NOT NULL,
   supp ID String NOT NULL,
   cust ID String NOT NULL,
   part ID String NOT NULL
);
-- Table: Part
CREATE TABLE IF NOT EXISTS `kcd dw.Part` (
   part ID String NOT NULL,
   part name String NOT NULL,
   avail qty int64 NOT NULL,
   retail price float64 NOT NULL,
   supply cost float64 NOT NULL,
);
-- Table: Supplier
CREATE TABLE IF NOT EXISTS `kcd dw.Supplier` (
   supplier ID String NOT NULL,
   supplier name String NOT NULL,
   country name String NOT NULL,
   region name String NOT NULL,
);
```

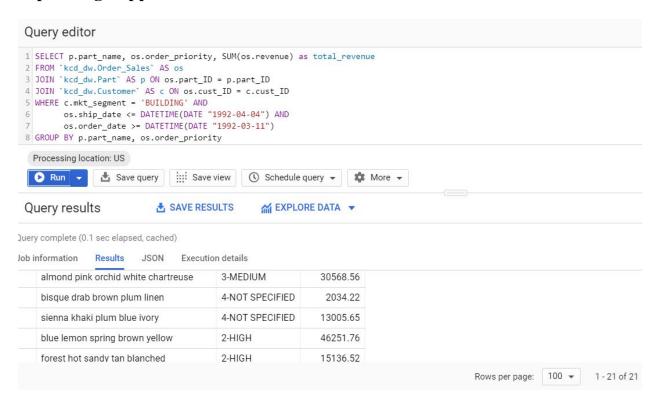
Insert Statements

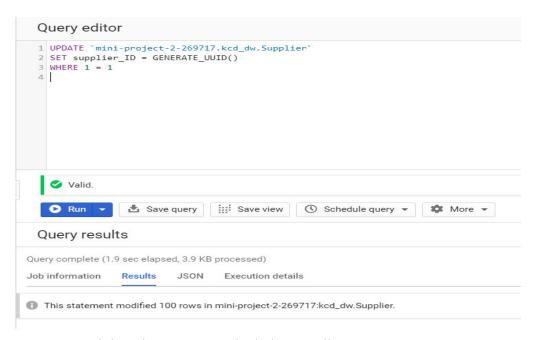
Note: We left the queries in to ensure that these could be tested thoroughly

Populating Part Table



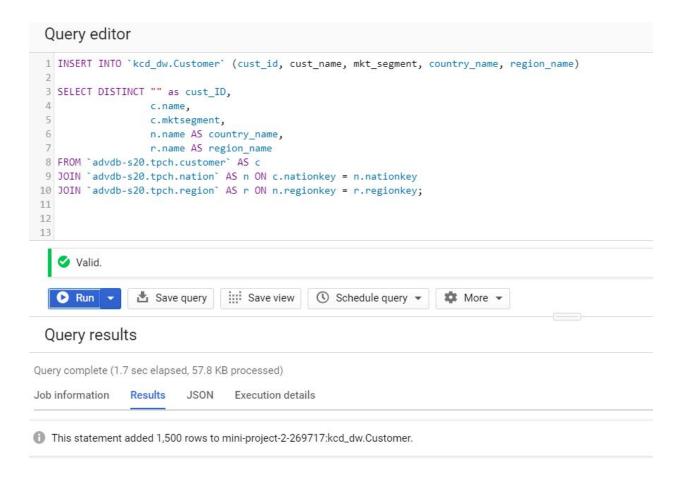
Populating Supplier Table

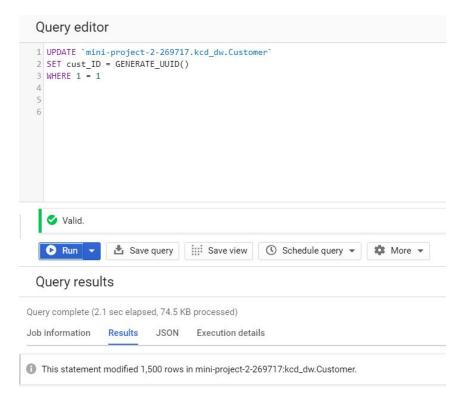




UPDATE `mini-project-2-269717.kcd_dw.Supplier` SET supplier_ID = GENERATE_UUID() WHERE 1 = 1

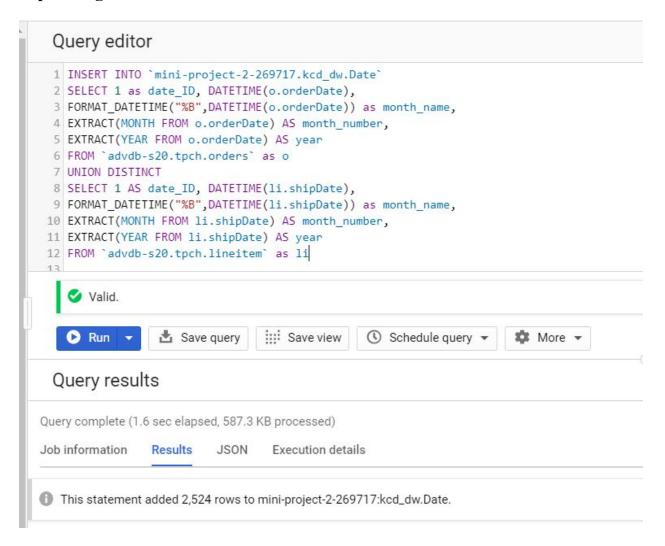
Populating Customer Table

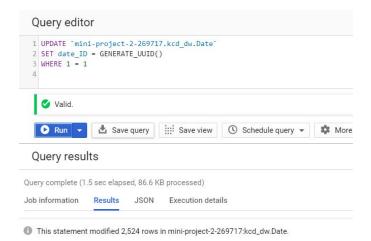




UPDATE `mini-project-2-269717.kcd_dw.Customer`
SET cust_ID = GENERATE_UUID()
WHERE 1 = 1

Populating Date Table





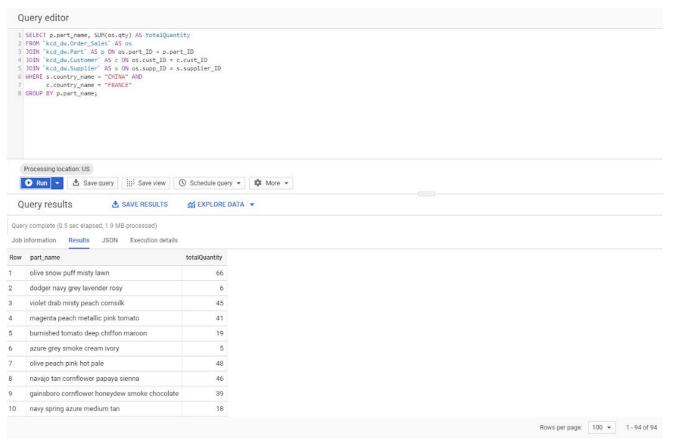
Order Sales Table

```
1 INSERT INTO `mini-project-2-269717.kcd_dw.Order_Sales`
2 SELECT
3 GENERATE_UUID() as order_id,
4 li.quantity,
5 li.extendedPrice - sp.retailprice AS profit,
6 li.extendedPrice AS revenue,
7 sps.availqty * sps.supplycost AS stock_value,
8 DATETIME(li.shipDate) AS ship_date,
9 DATETIME(so.orderDate) AS order_date,
10 so.orderpriority,
11 s.supplier_ID,
12 c.cust_ID,
13 p.part_ID
14 FROM `kcd_dw.Customer` AS c,
15
         `kcd_dw.Part` AS p,
16
         `kcd_dw.Supplier` AS s,
17
         `advdb-s20.tpch.orders` AS so,
18
        `advdb-s20.tpch.customer` AS sc,
19
         `advdb-s20.tpch.lineitem` AS li,
20
        `advdb-s20.tpch.partsupp` AS sps,
        `advdb-s20.tpch.part` AS sp,
21
22
        `advdb-s20.tpch.supplier` AS ss ,
23
        `advdb-s20.tpch.nation` AS sn1,
24
        `advdb-s20.tpch.region` AS sr1,
25
        `advdb-s20.tpch.nation` AS sn2,
26
         `advdb-s20.tpch.region` AS sr2
27 WHERE
28
         --vvvvvvvv Joining the Source Tables vvvvvvvvv
```

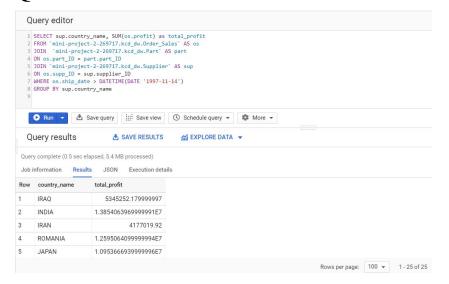


Data Demands

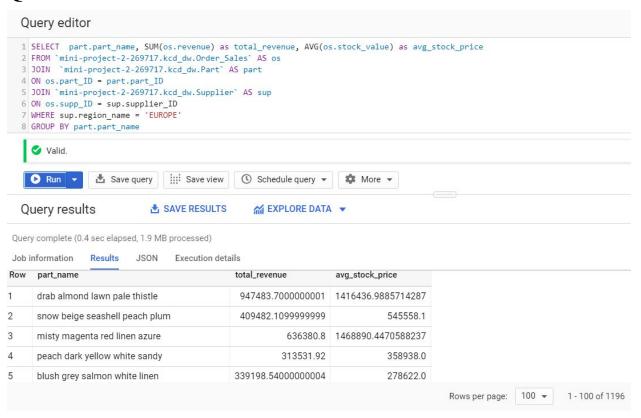
Q1:



Q2:



Q3:



Q4:

