

/* Tutorial 1: Sample queries on TPC-H data

Prerequisites

This tutorial requires the Snowflake provided snowflake_sample_data database. If you don't have this database already in your account please add it by following these instructions: <https://docs.snowflake.net/manuals/user-guide/sample-data-using.html>

Pricing Summary Report Query (Q1)

This query demonstrates basic SQL functionality using the included TPC-H sample data. The results are the amount of business that was billed, shipped, and returned.

Business Question: The Pricing Summary Report

Query provides a summary pricing report for all line items shipped as of a given date. The date is within 60 - 120 days of the greatest ship date contained in the database. The query lists totals for extended price, discounted extended price, discounted extended price plus tax, average quantity, average extended price, and average discount. These aggregates are grouped by RETURNFLAG and LINESTATUS, and listed in ascending order of RETURNFLAG and LINESTATUS. A count of the number of line items in each group is included.

*/

```
use schema snowflake_sample_data.tpch_sf1;
-- or tpch_sf100, tpch_sf1000
```

```
SELECT
l_returnflag,
l_linestatus,
sum(l_quantity) as sum_qty,
sum(l_extendedprice) as sum_base_price,
sum(l_extendedprice * (1-l_discount))
as sum_disc_price,
sum(l_extendedprice * (1-l_discount) *
(1+l_tax)) as sum_charge,
avg(l_quantity) as avg_qty,
avg(l_extendedprice) as avg_price,
avg(l_discount) as avg_disc,
count(*) as count_order
FROM
lineitem
WHERE
l_shipdate <= dateadd(day, -90, to_date('1998-12-01'))
GROUP BY
l_returnflag,
l_linestatus
ORDER BY
l_returnflag,
l_linestatus;
```