

Streams Assignment

1)

- I'm working with Snowflake for a data warehouse project.
- We have a couple of tables in a landing zone which are continuously updated by various data pipelines.
- I need to load data from these tables into our data warehouse.
- Is there some sort of change data capture feature I can use like in SQL Server, which would allow me to keep track of all the changes?

2)

- We create a sample scenario: an inventory replenishment system.
- When we receive replenishment orders, we need to increase on-hand inventory.
- We run this task manually. In actual use, you would want to run it as a Snowflake task on some kind of fixed schedule.
- In order to follow along, create the orders and products table:
 - Orders are inventory movements.
 - Products holds the inventory on-hand quantity.
- Create these two tables:

```
CREATE TABLE orders
(
  customernumber      varchar(100) PRIMARY KEY,
  ordernumber varchar(100),
  comments varchar(200),
  orderdate date,
  ordertype varchar(10),
  shipdate date,
  discount number,
  quantity int,
  productnumber varchar(50)
);

create table products (
  productnumber varchar(50) primary key,
  movementdate datetime,
  quantity number,
  movementtype varchar(10));
```