**Amazon DWH Interview Questions**

**Asked what type of information you would want to gather to determine if a product that was recently launched was successful**

Rating, Website Views, Likes, Sales

***What are the steps you follow to rebuild a table in database ?***

1. *Dump n reload*
2. *Alter table*
3. *Repair Table.*

Code that relies on the order of columns is asking for trouble anyway. It should never be a problem, since as a DBA, you're profiling and identifying SELECT \* statement, and ostracizing the perpetrators, correct?

When I do have to perform such an operation, due to some dumb legacy software, I would follow these steps:

1. rename existing table and named constraints
2. create table with new schema
3. bulk insert from old to new table. if required, break on the id and do it in batches of 100,000\* records using a while loop (\* - a number that suits the hardware & environment)
4. drop old table - reclaim space here
5. create indexes with proper fillfactors
6. create constraints (after indexes)

sys.dm\_db\_index\_physical\_stats

| **avg\_fragmentation\_in\_percent value** | **Corrective statement** |
| --- | --- |
| > 5% and < = 30% | ALTER INDEX REORGANIZE |
| > 30% | ALTER INDEX REBUILD WITH (ONLINE = ON)\* |

**Design data model in order to track product from Vendor => Amazon warehouse => Customer delievery ?**

Dim: Product(PID),Vendor(VID),Warehouse(WID),Customer(CID),Delivery(DID,isdelivered,transit)

Fact : Product Tracker

Select \* from Product Tracker join Delivery

**Design database for movies**

**Movie Dim, MovieCast, Movie Exhibition**

**Provide pseudo-code to find the minimal canopy count, given a list of edges and nodes in a graph.**