Notes from tutorial.

From the lecture task, we modelled a star scheme for No of orders per year , then built it up to include ‘per agent’

Considered the data

Exponential growth in size of the fact table

Surrogate key on the fact table (report\_id)

Avoidance of nulls in FK’s on fact table

Then we forward engineered QSEE and notice QSEE has inserted FKs into the fact table. So we ‘dealt’ with this by either:

Just changing code OR

Changing the star schema model and regenerating the DDL SQL

Time\_dim

|  |  |  |
| --- | --- | --- |
|  | quarter | Year\_of |
| 1 | 1 | 2011 |
| 2 | 2 | 2011 |
| 3 | 3 | 2011 |
| 4 | 4 | 2011 |
| 5 | 1 | 2012 |
| 6 | 2 | 2012 |
| 7 | 3 | 2012 |

Agent\_id

|  |  |
| --- | --- |
| 20 | Adam |
| 21 | Allen |
| 22 | Abot |
| 23 | Ali |

No of orders per year

No of order in 2011 per agent

No of orders in 2012

No of orders in quarter1 of 2011

No of orders per quarter per year per agent

Fact\_orders

|  |  |  |
| --- | --- | --- |
| 1 | 20 | 20 |
| 1 | 21 | 20 |
| 1 | 22 | 50 |
| 2 |  | 34 |
| 3 |  | 55 |
| 4 |  | 67 |
| 5 |  | 99 |
| 6 |  | 0 |
| 7 |  | 89 |
|  |  |  |

