

Handson Lab Day 4:

1. TESTs

2. Docs

Use Case Overview:

- Raw Data: Source Data Set
- Transformations:
- Enriched
- TEST
- Documentation



Create Tests :

create a new file called `core.yml`

`path: models/marts/core/core.yml`

`version: 2`

`models:`

- `name: fct_orders`
`description: orders fact table`

```

columns:
  - name: order_key
    description: primary key of the model
    tests:
      - unique
      - not_null
      - relationships:
          to: ref('stg_tpch_orders')
          field: order_key
          severity: warn
  - name: customer_key
    description: foreign key for customers
  - name: order_date
    description: date of the order
  - name: status_code
    description: status of the order
    tests:
      - accepted_values:
          values: ['P','O','F']
  - name: priority_code
    description: code associated with the order
  - name: clerk_name
    description: id of the clerk
  - name: ship_priority
    description: numeric representation of the shipping priority, zero
being the default
  - name: order_count
    description: count of order
  - name: gross_item_sales_amount
    description: '{{ doc("gross_item_sales_amount") }}'
  - name: item_discount_amount
    description: item level discount amount. this is always less than or
equal to zero
  - name: item_tax_amount
    description: item level tax total
  - name: net_item_sales_amount
    description: the net total which factors in discount and tax

```

Run Tests

Run dbt command

```
dbt test --select fct_orders.
```

dbt test --select fct_orders success Cancel Re-run

🔗 snowflake_workshop
🕒 less than a minute ago

> System Logs

All	5	Pass	5	Warn	0	Error	0	Skip	0	Queued	0
-----	---	------	---	------	---	-------	---	------	---	--------	---

>	✓	accepted_values_fct_orders_status_code_P_O_F	1.91s
>	✓	fct_orders_negative_discount_amount	1.89s
>	✓	not_null_fct_orders_order_key	0.97s
>	✓	relationships_fct_orders_order_key__order_key__ref_stg_tpch_orders_	1.66s
>	✓	unique_fct_orders_order_key	0.95s

Documentation

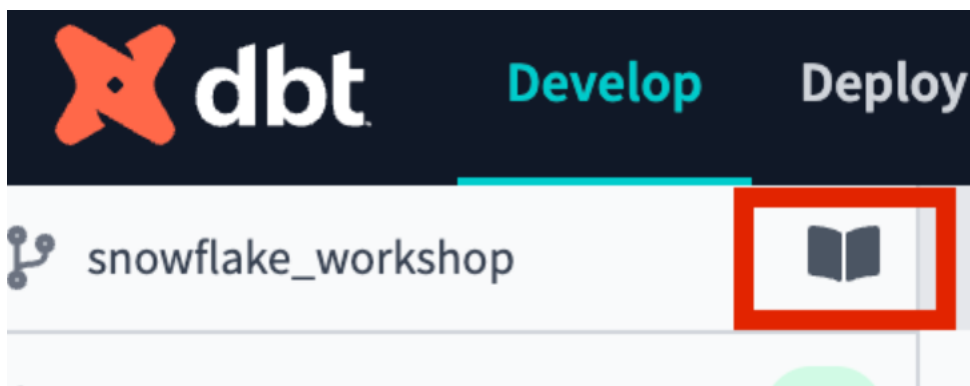
models/marts/core/core.md

the below are descriptions from fct_orders

{% docs gross_item_sales_amount %} same as extended_price {% enddocs %}

Run dbt command

```
dbt docs generate
```



Lab4- Final Output:

dbt test --select fct_orders

success

CancelRe-run

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> System Logs

All5

Pass5

Warn0

Error0

Skip0

Queued0

> ✓ accepted_values_fct_orders_status_code__P__O__F1.91s

> ✓ fct_orders_negative_discount_amount1.89s

> ✓ not_null_fct_orders_order_key0.97s

> ✓ relationships_fct_orders_order_key__order_key__ref_stg_tpch_orders_1.66s

> ✓ unique_fct_orders_order_key0.95s

fct_orders

table

Details

Description

Columns

Referenced By

Depends On

SQL

Description

Model Level

orders fact table

Columns

COLUMN	TYPE	DESCRIPTION	TESTS	MORE?
order_key	NUMBER	primary key of the model	U N F	>
order_date	DATE	date of the order		>
customer_key	NUMBER	foreign key for customers		>
status_code	TEXT	status of the order	A	>
priority_code	TEXT	code associated with the ...		>
clerk_name	TEXT	id of the clerk		>