Snowflake :-

→ Snowflake is a cloud based Data warehouse (SAS). Scalability and Perform

→ It's used to store huge data and fun (run) Queries for analytics and reporting.

Who Created snowflake :-

→ Snowflake was founded by Benoit Dageville, Thierry Cruanes and Marcin Zukowski

→ 2012 in USA (California).

Why Business are more to snowflake :-

→ Business are moving to Snowflake because it offers :-

* Scalable
* secure
* cost Effective.

→ cloud data solution that outperform traditional platform.

→ No Hardware - 10% Cloud.

→ Storage & compute are separate.

→ Super-Fast Performance.

→ Handle all Data types.

     * JSon.

     * XmL.

     * csv.

Data ware storage & Computing :-

(1) Storage - "where data is kept".

→ Stores all your data ⇒ structured and semi-Structured (eg:- csv, JSon).

(2) Computing - "Engine the Process data".

→ Execute Queries, load data and Performs transformation.

→ Compute resources are Called "Virtual warehouse".

Data types :-

(1) Structured Data.

(2) Semi - structured Data.

(3) Un-Structured Data.

(1) Structured Data :-

→ Data that is organized in a Pre-defined Schema- rows and columns.

Eg :- Relational Database (SQL), Excel Spreadsheet.

Storage :-
Easily stored in the data Warehouses like Snowflake, RDBMS.

(2) Semi-Structured Data :-

→ Data that doesn't fit neatly into tables. Cann't fit perfectly. flexible.

Eg :- json, xml, YAML (Tree-structu

(3) Unstructed data :-

→ Data without a Predefined format or structure, Large size.

eg :- images, videos, audio files. PDFS, word document.