CTAS

Table type – permanent and temporary tables

CREATE/INSERT –

Create and define the structure and then insert the data.

Syntax –

CREATE TABLE table\_name

(

ID INT,

NAME VARCHAR()

)

INSERT INTO table\_name

VALUES (1, ‘FRANK’)

CTAS –

Create table based on SQL query.

Syntax –

CREATE TABLE name AS

(

SELECT…. FROM…. WHERE….

)

Use cases –

Optimise performance

SELECT DATENAME(MONTH, created\_date) OrderMonth,

COUNT(userid) TotalOrders

INTO dbo.MonthlyOrders

FROM sales

GROUP BY DATENAME(MONTH, created\_date)

SELECT \* FROM MonthlyOrders

Creating a Snapshot –

Physical Data Mart –

Refresh CTAS –

IF OBJECT\_ID('dbo.MonthlyOrders', 'U') IS NOT NULL

DROP TABLE dbo.MonthlyOrders;

GO

SELECT DATENAME(MONTH, created\_date) OrderMonth,

COUNT(userid) TotalOrders

INTO dbo.MonthlyOrders

FROM sales

GROUP BY DATENAME(MONTH, created\_date)

SELECT \* FROM MonthlyOrders