CREATE DATABASE DB\_BASIC\_OBJECTS

USE DB\_BASIC\_OBJECTS

CREATE TABLE EMP\_INFO

(

EMP\_ID INT PRIMARY KEY, EMP\_FNAME VARCHAR (30), EMP\_CNTRY CHAR(50), EMP\_SAL BIGINT

)

INSERT EMP\_INFO VALUES (1001, 'AMIN', 'CANADA', 45678) , ('1002', 'JOHN', 'CANADA', 643643)

INSERT EMP\_INFO VALUES (1003, 'SAI', 'INDIA', 36363), (1004, 'SAISHA', 'INDIA',20000)

INSERT EMP\_INFO VALUES (1005, 'SAISH', 'INDIA', 43643), (1006, 'ADAM', 'USA', NULL)

SELECT \* FROM EMP\_INFO

-- EXAMPLE 1: USER DEFINED VIEWS

CREATE VIEW VW\_INDIA\_EMPLOYEES

AS

SELECT \* FROM EMP\_INFO WHERE EMP\_CNTRY = 'INDIA'

-- TO ACCESS ABOVE VIEW

SELECT \* FROM VW\_INDIA\_EMPLOYEES

-- IMPORTANT SYSTEM VIEWS : FOR METADATA [SYSTEM INFORMATION] AUDITS

-- THESE SYSTEM VIEWS ARE AUTO CREATED DURING DATABASE CREATION ITSELF IN PRIMARY DATA FILE.

SELECT \* FROM SYS.DATABASES -- TO REPORT LIST OF ALL DATABASES IN THE SERVER

SELECT \* FROM SYS.SCHEMAS -- TO REPORT LIST OF ALL SCHEMAS IN THE DATABASE

SELECT \* FROM SYS.TABLES -- TO REPORT LIST OF ALL TABLES IN THE DATABASE

SELECT \* FROM SYS.INDEXES -- TO REPORT LIST OF ALL INDEXES IN THE DATABASE

SELECT \* FROM SYS.OBJECTS -- TO REPORT LIST OF ALL OBJECTS IN THE DATABASE

SELECT \* FROM INFORMATION\_SCHEMA.COLUMNS -- TO REPORT LIST OF ALL COLUMNS IN THE TABLES & VIEWS IN THE DATABASE