ASSIGNMENT-3

1. Write a query to list all system databases available in MS SQL Server.

ANSWER:

SELECT name

FROM sys.databases

WHERE database\_id <= 4;

1. Write a query to retrieve the physical file locations (MDF & LDF) of a database named "CompanyDB".

ANSWER:

SELECT name AS FileName, physical\_name AS FilePath, type\_desc AS FileType

FROM sys.master\_files

WHERE database\_id = DB\_ID('CompanyDB');

3) Write a query to create a database "HRDB" with the following specifications:

Primary Data File: 10MB, Autogrow by 2MB

Log File: 5MB, Autogrow by 1MB

ANSWER:

CREATE DATABASE HRDB

ON

(

NAME = HRDB\_Data,

FILENAME = 'C:\SQLData\HRDB.mdf',

SIZE = 10MB,

MAXSIZE = UNLIMITED,

FILEGROWTH = 2MB

)

LOG ON

(

NAME = HRDB\_Log,

FILENAME = 'C:\SQLData\HRDB.ldf',

SIZE = 5MB,

MAXSIZE = UNLIMITED,

FILEGROWTH = 1MB

);

4) Rename "HRDB" to "EmployeeDB" using SQL commands.

ANSWER: ALTER DATABASE HRDB MODIFY NAME = EmployeeDB;

5) Drop the database "EmployeeDB" from the system.

ANSWER: DROP DATABASE EmployeeDB;

6)Write a query to display all supported data types in MS SQL Server.

ANSWER:

SELECT

name AS DataType,

system\_type\_id,

user\_type\_id,

is\_nullable,

max\_length,

precision,

scale

FROM sys.types

ORDER BY name;

7)Create a table "Employees" with the following fields:

EmpID (Integer, Primary Key)

EmpName (Variable-length string, max 100 characters, Not Null)

JoinDate (Date, Not Null)

Salary (Decimal with 2 decimal places, Default: 30000.00)

ANSWER:

CREATE TABLE Employees (

EmpID INT PRIMARY KEY,

EmpName VARCHAR(100) NOT NULL,

JoinDate DATE NOT NULL,

Salary DECIMAL(10,2) DEFAULT 30000.00

);

8)Add a new column "Department" (VARCHAR(50)) to the "Employees" table.

ANSWER:

ALTER TABLE Employees

ADD Department VARCHAR(50);

9)Rename the table "Employees" to "Staff".

ANSWER: EXEC sp\_rename 'Employees', 'Staff';

10)Drop the table "Staff" from the database.

ANSWER: DROP TABLE Staff;