Task : Perform the data cleaning and check if there are any null values.

Steps to Perform Data Cleaning and Check for Null Values:

Connect to the HR Database:

sql

USE HR;

Check for Null Values:

Run a query to identify any rows in the Employees table with null values in critical columns.

sql

SELECT \* FROM Employees

WHERE FirstName IS NULL

OR LastName IS NULL

OR Phone\_No IS NULL

OR Email IS NULL

OR Manager\_ID IS NULL

OR Job\_ID IS NULL

OR Salary IS NULL

OR Hire\_Date IS NULL;

Handle Null Values:

Depending on requirements, update these null values or remove the rows.

Updating null values:

sql

UPDATE Employees

SET Manager\_ID = 0 -- Set a default value if manager is unknown

WHERE Manager\_ID IS NULL;

Example: Removing rows with null values:

sql

DELETE FROM Employees

WHERE FirstName IS NULL

OR LastName IS NULL OR Phone\_No IS NULL OR Email IS NULL

OR Manager\_ID IS NULL OR Job\_ID IS NULL OR Salary IS NULL

OR Hire\_Date IS NULL;

Remove Duplicates:

If there are duplicates, identify and remove them.

sql

DELETE FROM Employees

WHERE Employee\_ID IN (

SELECT Employee\_ID FROM (

SELECT Employee\_ID, COUNT(\*)

FROM Employees

GROUP BY Employee\_ID

HAVING COUNT(\*) > 1

) AS temp

);

Verify Data:

After performing the cleaning steps, check the data again to ensure there are no null values.

sql

SELECT \* FROM Employees WHERE FirstName IS NULL

OR LastName IS NULL

OR Phone\_No IS NULL

OR Email IS NULL

OR Manager\_ID IS NULL

OR Job\_ID IS NULL

OR Salary IS NULL

OR Hire\_Date IS NULL;