SQL Day2 Demo Code:

--Predefined Datatypes- int,char,varchar,date,numeric

--table with identity column, identity column will work only with int datatype

#autoincrement

create table customer(CustomerID int

primary key auto\_increment,

name varchar(30),

contact bigint,

state varchar(30),

country varchar(30));

select \* from customer;

insert into customer (name,contact,state,country) values('Ram',7890123412,'TN','IND');

--DQL-Data Querying Language--SELECT

--to retrieve all the rows and columns select \* from pms\_employee\_Details

--to retrieve only the required columns from the table

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name', job 'Designation', salary 'Salary',commission 'Commission'

from pms\_employee\_details

--to retrieve only thr required rows we need to apply filter using where clause select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name', job 'Designation', salary 'Salary',commission 'Commission'

from pms\_employee\_details where salary=20000

--creating a new table based on another table

select \* into emp\_dtls\_oct from PMS\_EMPLOYEE\_DETAILS select \* from emp\_dtls\_oct

delete from emp\_dtls\_oct

--insert data from another table

insert into emp\_dtls\_oct select \* from PMS\_EMPLOYEE\_DETAILS

--Arithmetic Operators->+,-,\*,/,%

--to display the employee details along with total salary

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+commission+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

--isnull and colaesce

select isnull(commission,0)

select coalesce(commission,0)

--to display the employee details along with total salary by eliminating null values select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

--Relational Operators-->,<,>=,<=,=,!=

--to display the employee details whose salary is less than 20000

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ coalesce (commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where salary<20000

--to display the employee details whose salary is greather than equal to 30000

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where salary>=20000

--to display the employee details whose salary is equal to 10000

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where salary=20000

--Logical Operators--AND,OR,NOT

--AND-will return true if both the conditions are true

--OR-will return true if any one of the given conditions is true

--NOT-vice versa T-F,F-T

--AND Operator

--to display the employee details whose salary is greater than 20000 and commission is greater than 500

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where salary>20000 and commission>500

--OR

--to display the employee details whose department id is 10,20,30

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+isnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where department\_id=10 or department\_id=20 or department\_id=30

--IN Keyword--will evaluate multiple conditions

--to display the employee details whose department id is 10,20,30

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where department\_id in (10,20,30)

--NOT IN Keyword

--to display the employee details whose department is not in 10,20,30

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where department\_id not in (10,20,30)

--BETWEEN Keyword--will evaluate range of datas

--to display the employee details whose salary is between 10000 and 30000

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where salary between 10000 and 30000

--NOT BETWEEN Keyword

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where salary not between 10000 and 30000

--LIKE Operator

--%ion- this will return the data which ends with ion

--Prod%-> this will return the data which starts with Prod

--%manager%-this will return the data which matches with the part of the data

--to display the employee details whose name starts with G

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where employee\_name like 'G%'

--to display the employee details whose name ends with S

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where employee\_name like '%S'

--to display the employeed details whose in between value is A

select employee\_id 'Emp\_Id', employee\_name 'Emp\_Name',job 'Designation', salary 'Salary', commission 'Commission',

department\_id 'Dept\_ID',salary+ifnull(commission,0)+(0.5\*salary)'Total Salary' from PMS\_EMPLOYEE\_DETAILS

where employee\_name like '%AL%'