DBMS LAB

Lab shifa:

-- Create Database

create DATABASE ICE\_9th\_batch;

USE ICE\_9th\_batch;

-- Create Table

create table STUDENT\_DATA(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30)

);

-- Insert Value

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Shifa',39,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jemi',40,'2020-21','ITF');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',01,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',02,'2020-21','IPE');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',03,'2020-21','DBMS');

-- Show Data From Table

select \* From STUDENT\_DATA;

select \* from STUDENT\_DATA where roll =01;

select \* from STUDENT\_DATA where name='Shifa';

select \* from STUDENT\_DATA where session='2020-21';

select Distinct name from STUDENT\_DATA;

select roll from STUDENT\_DATA order by roll asc;

select roll from STUDENT\_DATA order by roll desc;

select roll from STUDENT\_DATA where roll=03;

select \* from STUDENT\_DATA where name='Jarir' AND roll=03 ;

select \* from STUDENT\_DATA where name='Jarir' or roll=03 ;

alter table STUDENT\_DATA ADD column dept varchar(30);

alter table STUDENT\_DATA Drop column dept;

alter table STUDENT\_DATA Rename column roll to id;

alter table STUDENT\_DATA Modify roll float(30);

UPDATE STUDENT\_DATA SET id= 10 WHERE id=1;

delete from STUDENT\_DATA where name='Shifa';

-- Destroy Table

DROP TABLE STUDENT\_DATA ;

-- Drop Database

DROP DATABASE ICE\_9th\_batch;

Database table 1:

-- Create Database

create DATABASE NSTU\_16th\_batch;

USE NSTU\_16th\_batch;

use ICE\_9th\_batch;

-- Create Table

create table STUDENT\_INFO(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30),

marks varchar(20)

);

-- Insert Value

INSERT INTO STUDENT\_INFO(name,roll,session,course,marks) VALUES('Shifa',39,'2020-21','DC',76);

INSERT INTO STUDENT\_INFO(name,roll,session,course,marks) VALUES('Jemi',44,'2020-21','ITF',80);

INSERT INTO STUDENT\_INFO(name,roll,session,course,marks) VALUES('Jarir',01,'2020-21','DC',90);

INSERT INTO STUDENT\_INFO(name,roll,session,course,marks) VALUES('Jarir',50,'2020-21','IPE',86);

INSERT INTO STUDENT\_INFO(name,roll,session,course,marks) VALUES('Jarir',03,'2020-21','DBMS',85);

select \* from STUDENT\_INFO;

-- aggregate function

-- MAX,MIN,AVG

select Max(marks) from STUDENT\_INFO;

select Min(marks) from STUDENT\_INFO;

select Avg(marks) from STUDENT\_INFO;

-- POWER

select power(marks,2)from STUDENT\_INFO;

-- numeric

select sqrt(marks) from STUDENT\_INFO;

-- string

select lower(name) from STUDENT\_INFO;

select upper(name) from STUDENT\_INFO;

-- dual

select 2\*2 from dual;

select 2\*2,5+8 from dual;

-- alaising

select 2\*2 as result from dual;

select 2\*2 as result,2+1 Credit from dual;

-- like

select \* from STUDENT\_INFO where name like '%a';

select \* from STUDENT\_INFO where name like 'j%';

select \* from STUDENT\_INFO where name like '%e%';

select \* from STUDENT\_INFO where name like '\_a%';

select \* from STUDENT\_INFO where name like '\_\_i%';

select \* from STUDENT\_INFO where name like '\_e%';

-- in and not in

select \* from STUDENT\_INFO where name in('jarir');

select \* from STUDENT\_INFO where roll in(39,40);

select \* from STUDENT\_INFO where name not in('jarir');

select \* from STUDENT\_INFO where roll not in(39);

-- between

select marks from STUDENT\_INFO where marks between 85 and 90;

-- group by

select name from STUDENT\_INFO where name='Jarir' group by roll;

select name from STUDENT\_INFO where name='Jarir' group by roll having roll=03;

select name from STUDENT\_INFO where name='Jarir' group by roll having roll=03 order by roll;

select name from STUDENT\_INFO where name='Jarir' group by roll having roll=03 order by name;

select name from STUDENT\_INFO where name='Jarir' group by roll having name='Jarir' or roll=03 order by roll;

table:

-- Create Database

create DATABASE ICE;

USE ICE;

-- Create Table

create table table1(

name varchar(50),

roll int(30)

);

-- Insert Value

INSERT INTO table1 (name,roll) VALUES('Shifa',1);

INSERT INTO table1(name,roll) VALUES('Jadwa',2);

-- Show Data From Table

select \* From table1;

-- Create Table

create table table2(

roll int(30),

CGPA float(20)

);

-- Insert Value

INSERT INTO table2(roll,CGPA) VALUES(1,3.95);

INSERT INTO table2(roll,CGPA) VALUES(2,3.75);

select \* from table2;

-- join

select table1.name,table1.roll,table2.CGPA from table1 join table2 on table1.roll=table2.roll;

-- cross join

select table1.name,table1.roll,table2.CGPA from table1 cross join table2 on table1.roll=table2.roll;

select table1.name,table1.roll,table2.roll,table2.CGPA from table1 cross join table2;

-- Create Table

create table table3(

roll2 int(30),

CGPA float(20)

);

-- Insert Value

INSERT INTO table3(roll2,CGPA) VALUES(1,3.95);

INSERT INTO table3(roll2,CGPA) VALUES(3,2.75);

select \* from table3;

-- left outer join

select table1.name,table1.roll,table3.roll2,table3.CGPA from table1 left join table3 on table1.roll=table3.roll2;

-- right outer join

select table1.name,table1.roll,table3.roll2,table3.CGPA from table1 right join table3 on table1.roll=table3.roll2;

select table1.name,table1.roll,table3.roll2,table3.CGPA from table1 full join table3 on table1.roll=table3.roll2;

-- full outer join

select table1.name,table1.roll,table3.roll2,table3.CGPA from table1 left join table3 on table1.roll=table3.roll2

union

select table1.name,table1.roll,table3.roll2,table3.CGPA from table1 right join table3 on table1.roll=table3.roll2;

select table1.name,table1.roll,table3.roll2,table3.CGPA from table1 full join table3 on table1.roll=table3.roll2;

-- Create Table

create table table4(

roll int(30),

CGPA float(20)

);

-- Insert Value

INSERT INTO table4(roll,CGPA) VALUES(1,3.95);

INSERT INTO table4(roll,CGPA) VALUES(2,3.75);

INSERT INTO table4(roll,CGPA) VALUES(3,3.50);

INSERT INTO table4(roll,CGPA) VALUES(4,3.75);

INSERT INTO table4(roll,CGPA) VALUES(5,3.75);

INSERT INTO table4(roll,CGPA) VALUES(6,3.50);

-- show table

select \* from table4;

-- group by

------------------------------------------------- bad

select roll,count(CGPA) from table4 group by roll;

select roll,count(CGPA) from table4 where roll<4 group by roll;

select roll,count(CGPA) from table4 group by roll order by count(CGPA)asc;

select roll,count(CGPA) from table4 where roll<=4 group by roll order by count(CGPA)asc;

---------------------------------------------------- bad

select cgpa, count(CGPA) from table4 group by cgpa;

select cgpa,count(CGPA) as total from table4 group by cgpa having total>1;

-- select cgpa from table4 group by cgpa order by cgpa asc;

select cgpa,count(CGPA) from table4 group by cgpa order by cgpa asc;

select cgpa ,count(CGPA) from table4 where roll<=4 group by cgpa order by (CGPA)asc;

select cgpa ,count(CGPA) as total from table4 where roll<=4 group by cgpa having total>1 order by (CGPA)asc ;

-- group by -----

-- select roll,count(\*) from ICE.table4 where CGPA<=3.80 group by roll;

-- bad disi report a next line

select roll from table4 where roll<=5 group by roll order by count(CGPA) asc;

select roll,count(CGPA) from table4 where roll<=4 group by roll having count(CGPA)<=1 order by count(CGPA)asc;

drop table table4;

-- between

select \* from table4 where CGPA between 3.67 and 4.00;

group by bipta:

CREATE DATABASE Result;

use Result;

create table Result\_Sheet (

Roll int,

Name varchar(20),

Dept varchar (20),

CGPA float4,

Merit int,

Hall varchar (20),

City varchar (20)

);

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (35, 'AA', 'ICE', 3.15, 25, 'BFH', 'Feni');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (36, 'BB', 'ICE', 3.15, 26, 'ASH', 'CTG');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (37, 'CC', 'SWE', 3.20, 25, 'BBH', 'CTG');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (38, 'DD', 'ICE', 3.40, 23, 'BFH', 'Dhaka');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (39, 'EE', 'SWE', 3.45, 24, 'BFH', 'Feni');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (40, 'FF', 'CSTE', 3.30, 25, 'ASH', 'Dhaka');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (41, 'GG', 'CSTE', 3.15, 26, 'ASH', 'Cumilla');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (42, 'HH', 'ICE', 3.20, 24, 'BFH', 'Dhaka');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (43, 'II', 'ENG', 3.80, 27, 'BFH', 'Feni');

INSERT INTO Result\_Sheet (Roll, Name, Dept, CGPA, Merit, Hall, City) Values (44, 'JJ', 'ENG', 3.80, 28, 'BBH', 'Dhaka');

-- Between

select City from Result.Result\_Sheet where Roll between 39 and 42;

select City from Result.Result\_Sheet where Roll between 35 and 40;

-- Group by

select (CGPA) from Result.Result\_Sheet group by (CGPA) ;

select (Hall) from Result.Result\_Sheet group by (Hall) ;

select (Roll) from Result.Result\_Sheet group by (Roll) ;

select (Name) from Result.Result\_Sheet group by (Name) ;

select (Merit) from Result.Result\_Sheet group by (Merit) ;

-- Groupby, Order By

select (Roll) from Result.Result\_Sheet group by (Roll) order by Roll DESC ;

select (CGPA) from Result.Result\_Sheet group by (CGPA) order by CGPA ASC ;

select (Name) from Result.Result\_Sheet group by (Name) order by Name ASC ;

select (Name) from Result.Result\_Sheet group by (Name) order by Name DESC ;

select (Merit) from Result.Result\_Sheet group by (Merit) order by Merit DESC ;

-- Group by, having, order by

select (CGPA) from Result.Result\_Sheet group by (CGPA) having CGPA>3.50 order by CGPA ASC ;

select (CGPA) from Result.Result\_Sheet group by (CGPA) having CGPA<3.50 order by CGPA ASC ;

select (CGPA) from Result.Result\_Sheet group by (CGPA) having Hall='BFH' order by CGPA ASC ;

select (CGPA) from Result.Result\_Sheet group by (CGPA) having CGPA<3.50 order by Roll DESC ;

select (Merit) from Result.Result\_Sheet group by (Merit)having Merit>26 order by Merit DESC ;

select (Merit) from Result.Result\_Sheet group by (Merit)having Merit=24 order by Merit DESC ;

-- where ,group by, having, order by

select (CGPA) from Result.Result\_Sheet where Hall = 'ASH' group by (CGPA) having CGPA<3.50 order by CGPA ASC ;

select (CGPA) from Result.Result\_Sheet where Hall = 'ASH' group by (CGPA) having CGPA<3.50 order by CGPA DESC ;

select (CGPA) from Result.Result\_Sheet where Dept = 'ICE' group by (CGPA) having CGPA<3.50 order by CGPA DESC ;

select (Roll) from Result.Result\_Sheet where Hall = 'ASH' group by (CGPA) having CGPA<3.50 order by CGPA DESC ;

-- count

select Dept,count(\*) from Result.Result\_Sheet where Dept = 'ICE';

select Dept,count(\*) as Howmany from Result.Result\_Sheet where Dept = 'ICE';

select Dept,count(\*) as Howmany from Result.Result\_Sheet where Dept = 'ICE' group by CGPA having CGPA<3.50 ;

select Dept,count(\*) as Howmany from Result.Result\_Sheet where Dept = 'ICE' group by Merit having Merit<26 ;

select Dept,count(\*) as Howmany from Result.Result\_Sheet where Dept = 'ICE' group by Hall having Hall='BFH' ;

select Dept,count(\*) as Howmany from Result.Result\_Sheet where Hall = 'BFH' group by Merit having Merit<26 ;

17-10-23:

-- Create Database

create DATABASE NSTU;

USE NSTU;

-- Create Table

create table table1(

name varchar(50),

roll int(30),

CGPA float(20)not null,

dept varchar(40),

primary key (roll)

);

INSERT INTO table1(name,roll,CGPA,dept) VALUES('Shifa',1,3.95,'ICE');

INSERT INTO table1(name,roll,CGPA,dept) VALUES('Jarir',2,3.75,'EEE');

INSERT INTO table1(name,roll,CGPA,dept) VALUES('Jadwa',3,3.50,'CSTE');

INSERT INTO table1(name,roll,CGPA,dept) VALUES('Jerin',4,3.25,'ACCE');

INSERT INTO table1(name,roll,CGPA,dept) VALUES('Jemi',5,3.67,'TE');

INSERT INTO table1(name,roll,CGPA,dept) VALUES('Jemi',5,3.60,'IPE');

-- show table

select \* from table1;

drop table table1;

chapter-7:

-- Create Database

create DATABASE DBMS\_CH\_7;

USE DBMS\_CH\_7;

-- Create Table CLIENT\_MASTER 1 NO

create table CLIENT\_MASTER(

CLIENTNO Varchar(6),

NAME Varchar(20),

ADDRESS1 Varchar(30),

ADDRESS2 Varchar(30),

CITY Varchar(15),

PINCODE numeric(8),

STATE Varchar(15),

BALDUE Numeric(10,2)

);

-- Create Table PRODUCT\_MASTER 1 no

create table PRODUCT\_MASTER(

PRODUCTNO Varchar(6),

DESCRIPTION Varchar(15),

PROFITPERCENT Numeric(4,2),

UNITMEASURE Varchar(10),

QTYONHAND Numeric(8),

REORDERLVL Numeric(8),

SELLPRICE Numeric(8,2),

COSTPRICE Numeric(8,2)

);

-- Create Table SALESMAN\_MASTER 1 no

create table SALESMAN\_MASTER(

SALESMANNO Varchar(6),

SALESMANNAME Varchar(20),

ADDRESS1 Varchar(30),

ADDRESS2 Varchar(30),

CITY Varchar(20),

PINCODE Numeric(8),

STATE Varchar(20),

SALAMT Numeric(8,2),

TGTTOGET Numeric(6,2),

YTDSALES Numeric(6,2),

REMARKS Varchar(60)

);

-- Create Table CLIENT\_MASTER 2 N0 VALUE INSERT JONNO

create table CLIENT\_MASTER(

CLIENTNO Varchar(6),

NAME Varchar(20),

CITY Varchar(15),

PINCODE integer(8),

STATE Varchar(15),

BALDUE integer(10)

);

-- Insert Value in CLIENT\_MASTER Table

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00001','Ivan Bayross','Mumbai',400054,'Maharashtra',15000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00002','Mamta Muzumdar','Madras',780001,'Tamil Nadu',0);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00003','Chhaya Banker','Mumbai',400057,'Maharashtra',5000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00004','Ashwini Joshi','Bangalore',560001,'Karnataka',0);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00005','Hansel Colaco','Mumbai',400060,'Maharashtra',2000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00006','Deepak Sharma','Mangalore',560050,'Karnataka',0);

-- Show Data From Table

select \* From CLIENT\_MASTER;

-- Create Table PRODUCT\_MASTER 2 no value insert jonno

create table PRODUCT\_MASTER(

PRODUCTNO Varchar(6),

DESCRIPTION Varchar(15),

PROFITPERCENT float(4),

UNITMEASURE Varchar(10),

QTYONHAND integer(8),

REORDERLVL integer(8),

SELLPRICE integer(8),

COSTPRICE float(8)

);

-- Insert Value in PRODUCT\_MASTER Table

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P00001','T-Shirts',5,'Piece',200,50,350,250);

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P0345','Shirts',6,'Piece',150,50,500,350);

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P06734','Cotton Jeans',5,'Piece',100,20,600,450);

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P07865','Jeans',5,'Piece',100,20,750,500);

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P07868','Trousers',2,'Piece',150,50,850,550);

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P07885','Pull Overs',2.5,'Piece',80,30,700,450);

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P07965','Denim Shirts',4,'Piece',100,40,350,250);

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P07975','Lycra Tops',5,'Piece',70,30,300,175);

INSERT INTO PRODUCT\_MASTER(PRODUCTNO,DESCRIPTION,PROFITPERCENT,UNITMEASURE,QTYONHAND,REORDERLVL,SELLPRICE,COSTPRICE) VALUES('P08865','Skirts',5,'Piece',75,30,450,300);

-- Show Data From Table

select \* From PRODUCT\_MASTER;

-- Create Table SALESMAN\_MASTER 1 no

create table SALESMAN\_MASTER(

SALESMANNO Varchar(6),

NAME Varchar(20),

ADDRESS1 Varchar(30),

ADDRESS2 Varchar(30),

CITY Varchar(20),

PINCODE integer(8),

STATE Varchar(20),

SALAMT integer(8),

TGTTOGET integer(6),

YTDSALES integer(6),

REMARKS Varchar(60)

);

-- Insert Value in SALESMAN\_MASTER Table

INSERT INTO SALESMAN\_MASTER(SALESMANNO,NAME,ADDRESS1,ADDRESS2,CITY,PINCODE,STATE,SALAMT,TGTTOGET,YTDSALES,REMARKS) VALUES('S00001','Aman','A/14','Worli','Mumbai',400002,'Maharashtra',3000,100,50,'Good');

INSERT INTO SALESMAN\_MASTER(SALESMANNO,NAME,ADDRESS1,ADDRESS2,CITY,PINCODE,STATE,SALAMT,TGTTOGET,YTDSALES,REMARKS) VALUES('S00002','Omkar','65','Nariman','Mumbai',400001,'Maharashtra',3000,200,100,'Good');

INSERT INTO SALESMAN\_MASTER(SALESMANNO,NAME,ADDRESS1,ADDRESS2,CITY,PINCODE,STATE,SALAMT,TGTTOGET,YTDSALES,REMARKS) VALUES('S00003','Raj','P-7','Bandra','Mumbai',400032,'Maharashtra',3000,200,100,'Good');

INSERT INTO SALESMAN\_MASTER(SALESMANNO,NAME,ADDRESS1,ADDRESS2,CITY,PINCODE,STATE,SALAMT,TGTTOGET,YTDSALES,REMARKS) VALUES('S00004','Ashish','A/5','Juhu','Mumbai',400044,'Maharashtra',3500,200,150,'Good');

-- Show Data From Table

select \* From SALESMAN\_MASTER;

-- 3.a

select Name from client\_master;

-- 3.b

select \* from client\_master;

-- 3.c

select Name,City,State from client\_master;

-- 3.d

select Description from product\_master;

-- 3.e

select \* from client\_master where City='Mumbai';

-- 3.f

select Name from SALESMAN\_master where SALAMT=3000;

-- 4.a

update client\_master set City='Bangalore' where CLIENTNO='C00005';

select \* From CLIENT\_MASTER;

-- 4.b

update client\_master set BALDUE=1000 where CLIENTNO='C00001';

select \* From CLIENT\_MASTER;

-- 4.c

update product\_master set COSTPRICE=950.00 where DESCRIPTION='Trousers';

select \* From product\_MASTER;

-- 4.d

update salesman\_master set City='Pune';

select \* From salesman\_MASTER;

-- 5.a

delete from salesman\_master where SALAMT=3500;

select \* From salesman\_MASTER;

-- 5.b

delete from product\_master where QTYONHAND=100;

select \* From product\_master;

-- 5.c

delete from client\_master where STATE='Tamil Nadu';

select \* From client\_master;

-- 6.a

alter table client\_master add Telephone integer (10);

select \* From client\_master;

-- 6.b

alter table product\_master modify SELLPRICE integer(10);

select \* From product\_master;

-- 7.a

drop table client\_master;

-- 8.a

-- rename table\_name

-- syntax: alter table table\_name rename to new\_table\_name

alter table salesman\_master rename to sman\_mast;

select \* From sman\_mast;

chapter-8:

-- Create Database

create DATABASE DBMS\_CH\_8;

USE DBMS\_CH\_8;

use DBMS\_CH\_7;

-- Create Table CLIENT\_MASTER 1 NO

create table CLIENT\_MASTER(

CLIENTNO Varchar(6),

primary key (CLIENTNO),

check (CLIENTNO like 'C%'),

NAME Varchar(20) not null,

ADDRESS1 Varchar(30),

ADDRESS2 Varchar(30),

CITY Varchar(15),

PINCODE numeric(8),

STATE Varchar(15),

BALDUE numeric(10,2)

);

-- Create Table PRODUCT\_MASTER 1 no

create table PRODUCT\_MASTER(

PRODUCTNO Varchar(6),

primary key (PRODUCTNO),

check (PRODUCTNO like 'P%'),

DESCRIPTION Varchar(15) not null,

PROFITPERCENT Numeric(4,2) not null,

UNITMEASURE Varchar(10) not null ,

QTYONHAND Numeric(8) not null,

REORDERLVL Numeric(8) not null,

SELLPRICE Numeric(8,2) not null,

check (SELLPRICE !=0),

COSTPRICE Numeric(8,2) not null,

check (COSTPRICE !=0)

);

-- Create Table SALESMAN\_MASTER 1 no

create table SALESMAN\_MASTER(

SALESMANNO Varchar(6),

primary key (SALESMANNO),

check (SALESMANNO like 'S%'),

SALESMANNAME Varchar(20) NOT NULL,

ADDRESS1 Varchar(30) not null,

ADDRESS2 Varchar(30),

CITY Varchar(20),

PINCODE Numeric(8),

STATE Varchar(20),

SALAMT Numeric(8,2) not null,

check (SALAMT !=0),

TGTTOGET Numeric(6,2) not null,

check (TGTTOGET !=0),

YTDSALES Numeric(6,2) not null,

REMARKS Varchar(60)

);

-- Create Table SALES\_ORDER 1 no

create table SALES\_ORDER(

ORDERNO Varchar(6),

primary key (ORDERNO),

check (ORDERNO like 'O%'),

CLIENTNO Varchar(6),

foreign key (CLIENTNO) references CLIENT\_MASTER (CLIENTNO),

ORDERDATE date not null,

DELYADDR Varchar(25),

SALESMANNO Varchar(6),

foreign key (SALESMANNO) references SALESMAN\_MASTER(SALESMANNO),

DELYTYPE Char(1) default 'F',

check(DELYTYPE in ('P','F')),

BILLYN Char(1),

DELYDATE Varchar(20),

check (DELYDATE < ORDERDATE),

ORDERSTATUS Varchar(10),

check (ORDERSTATUS in ('In Process','Fulfilled','BackOrder','Cancelled'))

);

-- Create Table SALES\_ORDER\_DETAILS 1 no

create table SALES\_ORDER\_DETAILS(

ORDERNO Varchar(6),

foreign key (ORDERNO) references SALES\_ORDER (ORDERNO),

PRODUCTNO Varchar(6),

foreign key (PRODUCTNO) references PRODUCT\_MASTER(PRODUCTNO),

QTYORDERED Varchar(6),

QTYDISP Numeric(8),

PRODUCTRATE Numeric(10)

);

-- 2.a (1st use dbms\_ch\_7,2nd use dbms\_ch\_8 run korbo,then ai query)

-- because last jei database run korbo oi database a operation hobe

-- Create Table CLIENT\_MASTER 2.a NO

create table CLIENT\_MASTER(

CLIENTNO Varchar(6),

primary key (CLIENTNO),

check (CLIENTNO like 'C%'),

NAME Varchar(20) not null,

CITY Varchar(15),

PINCODE integer(8),

STATE Varchar(15),

BALDUE integer(10)

);

-- Create Table PRODUCT\_MASTER 2.a no

create table PRODUCT\_MASTER(

PRODUCTNO Varchar(6),

primary key (PRODUCTNO),

check (PRODUCTNO like 'P%'),

DESCRIPTION Varchar(15) not null,

PROFITPERCENT integer(4) not null,

UNITMEASURE Varchar(10) not null ,

QTYONHAND integer(8) not null,

REORDERLVL integer(8) not null,

SELLPRICE integer(8) not null,

check (SELLPRICE !=0),

COSTPRICE integer(8) not null,

check (COSTPRICE !=0)

);

-- Create Table SALESMAN\_MASTER 2.a no

create table SALESMAN\_MASTER(

SALESMANNO Varchar(6),

primary key (SALESMANNO),

check (SALESMANNO like 'S%'),

SALESMANNAME Varchar(20) NOT NULL,

ADDRESS1 Varchar(30) not null,

ADDRESS2 Varchar(30),

CITY Varchar(20),

PINCODE integer(8),

STATE Varchar(20),

SALAMT integer(8) not null,

check (SALAMT !=0),

TGTTOGET integer(6) not null,

check (TGTTOGET !=0),

YTDSALES integer(6) not null,

REMARKS Varchar(60)

);

insert into CLIENT\_MASTER select \* from DBMS\_CH\_7.CLIENT\_MASTER;

insert into PRODUCT\_MASTER select \* from DBMS\_CH\_7.PRODUCT\_MASTER;

insert into SALESMAN\_MASTER select \* from DBMS\_CH\_7.SALESMAN\_MASTER;

-- 2.b

-- Create Table SALES\_ORDER 2.b no

create table SALES\_ORDER(

ORDERNO Varchar(6),

primary key (ORDERNO),

check (ORDERNO like 'O%'),

CLIENTNO Varchar(6),

foreign key (CLIENTNO) references CLIENT\_MASTER (CLIENTNO),

ORDERDATE date not null,

SALESMANNO Varchar(6),

foreign key (SALESMANNO) references SALESMAN\_MASTER(SALESMANNO),

DELYTYPE Char(1) default 'F',

check(DELYTYPE in ('P','F')),

BILLYN Char(1),

DELYDATE date,

check (DELYDATE < ORDERDATE),

ORDERSTATUS Varchar(10),

check (ORDERSTATUS in ('In Process','Fulfilled','BackOrder','Cancelled'))

);

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O19001','C00001',str\_to\_date('12-June-04','%d-%M-%y'),'S00001','F','N',str\_to\_date('20-July-02','%d-%M-%y'),'In Process');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O19002','C00002',str\_to\_date('25-June-04','%d-%M-%y'),'S00002','F','N',str\_to\_date('27-June-02','%d-%M-%y'),'Cancelled');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O46865','C00003',str\_to\_date('18-Feb-04','%d-%M-%y'),'S00003','F','Y',str\_to\_date('20-Feb-02','%d-%M-%y'),'Fulfilled');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O19003','C00001',str\_to\_date('03-Apr-04','%d-%M-%y'),'S00001','F','Y',str\_to\_date('07-Apr-02','%d-%M-%y'),'Fulfilled');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O46866','C00004',str\_to\_date('20-May-04','%d-%M-%y'),'S00002','F','N',str\_to\_date('22-May-02','%d-%M-%y'),'Cancelled');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O19008','C00005',str\_to\_date('24-May-04','%d-%M-%y'),'S00004','F','N',str\_to\_date('26-July-02','%d-%M-%y'),'In Process');

select \* From SALES\_ORDER;

-- 2.c

-- Create Table SALES\_ORDER\_DETAILS 1 no

create table SALES\_ORDER\_DETAILS(

ORDERNO Varchar(6),

foreign key (ORDERNO) references SALES\_ORDER (ORDERNO),

PRODUCTNO Varchar(6),

foreign key (PRODUCTNO) references PRODUCT\_MASTER(PRODUCTNO),

QTYORDERED Varchar(6),

QTYDISP integer(8),

PRODUCTRATE integer(10)

);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O19001','P00001',4,4,525);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O19001','P07965',2,1,8400);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O19001','P07885',2,1,5250);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O19002','P00001',10,0,525);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O46865','P07868',3,3,3150);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O46865','P07885',3,1,5250);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O46865','P00001',10,10,525);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O46865','P0345',4,4,1050);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O19003','P03453',2,2,1050);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O19003','P06734',1,1,12000);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O46866','P07965',1,0,8400);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O46866','P07975',1,0,1050);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O19008','P00001',10,5,525);

INSERT INTO SALES\_ORDER\_DETAILS(ORDERNO,PRODUCTNO,QTYORDERED ,QTYDISP,PRODUCTRATE) VALUES('O19008','P07975',5,3,1050);

select \* from SALES\_ORDER\_DETAILS;

-- Create Table CLIENT\_MASTER chapter 10 er 3 no er jonno

create table CLIENT\_MASTER(

CLIENTNO Varchar(6),

NAME Varchar(20),

ADDRESS1 Varchar(30),

ADDRESS2 Varchar(30),

CITY Varchar(15),

PINCODE numeric(8),

STATE Varchar(15),

BALDUE Numeric(10,2)

);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00001','Ivan Bayross','Mumbai',400054,'Maharashtra',15000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00002','Mamta Muzumdar','Madras',780001,'Tamil Nadu',0);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00003','Chhaya Banker','Mumbai',400057,'Maharashtra',5000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00004','Ashwini Joshi','Bangalore',560001,'Karnataka',0);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00005','Hansel Colaco','Mumbai',400060,'Maharashtra',2000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00006','Deepak Sharma','Mangalore',560050,'Karnataka',0);

-- Show Data From Table

select \* From CLIENT\_MASTER;

chapter-9:

USE DBMS\_CH\_8;

-- 1.a

select name from client\_master where name like '\_a%';

-- 1.b

select \* from client\_master where city like 'M%';

-- 1.c

select \* from client\_master where city='Bangalore' or city='Mangalore';

-- 1.d

select \* from client\_master where baldue>10000;

-- 1.e

select \* from sales\_order where ORDERDATE like '\_\_\_\_\_06\_\_\_';

-- OR

select \* from sales\_order where monthname(orderdate)='June';

-- 1.f

select \* from sales\_order where clientno in ('C00001','C00002');

-- 1.g

select \* from product\_master where sellprice>500 and SELLPRICE<=750;

-- 1.h

select productno,description,sellprice,sellprice\*15 new\_sellprice from product\_master where sellprice>500;

-- 1.i

select name,city,state from client\_master where state not in ('Maharashtra');

-- 1.j

select count(orderno) as number\_of\_orders from sales\_order;

-- 1.k

select avg(sellprice) from product\_master;

-- 1.l

select max(sellprice),min(sellprice) from product\_master;

select max(sellprice) as max\_price,min(sellprice) as min\_price from product\_master;

-- 1.m

select count(productno) from product\_master where SELLPRICE>=500;

-- 1.n

select \* from product\_master where qtyonhand<reorderlvl;

-- 2.a

select orderno,date from sales\_order;

chapter-10:

USE DBMS\_CH\_8;

-- 1.a

select description,count(qtyordered) from product\_master,sales\_order\_details where sales\_order\_details.PRODUCTNO=product\_master.productno group by description;

-- ashraf

select description,count(qtyordered) as total\_qty\_sold from sales\_order\_details as sod ,product\_master as pm where sod.productno=pm.productno group by description;

-- 1.b

select sales\_order\_details.PRODUCTNO,product\_master.DESCRIPTION,sum(sales\_order\_details.qtydisp\*sales\_order\_details.productrate) from sales\_order\_details,product\_master where sales\_order\_details.PRODUCTNO=product\_master.productno group by sales\_order\_details.productno, product\_master.description;

-- ashraf

select description , sum(sod.qtydisp\*sod.productrate) as sales\_per\_product from sales\_order\_details as sod ,product\_master as pm where sod.productno=pm.productno group by sod.productno, pm.description;

-- 1.c

select client\_master.CLIENTNO,client\_master.NAME,avg(sales\_order\_details.qtydisp) as avg\_sales from sales\_order\_details, sales\_order, client\_master where client\_master.clientno=sales\_order.clientno and sales\_order.orderno = sales\_order\_details.orderno

group by client\_master.clientno,name having max(sales\_order\_details.qtyordered\*sales\_order\_details.productrate)>15000;

-- ashraf

select cm.clientno,cm.name,avg(sod.qtydisp) as avg\_sales from sales\_order\_details as sod , sales\_order as so , client\_master where client\_master.clientno=sales\_order.clientno and sales\_order.orderno =sales\_order\_details.orderno

group by cm.clientno,name having max(sod.qtyordered\*sod.productrate)>15000;

-- 1.d

-- ashraf

select so.orderno,so.orderdate,sum(sod.qtyordered\*sod.productrate) as order\_billed from sales\_order as so ,sales\_order\_details as sod where sod.orderno = so.orderno and so.billyn='Y'

and MONTHNAME(orderdate) = 'June' group by so.orderno;

-- 2.a

select sales\_order\_details.productno,product\_master.description from product\_master join sales\_order\_details on product\_master .productno = sales\_order\_details.productno join sales\_order on sales\_order.orderno=sales\_order\_details.orderno join client\_master on

client\_master.clientno = sales\_order.clientno and client\_master.name='Ivan Bayross';

-- ashraf

select sod.productno,pm.description from product\_master as pm join sales\_order\_details as sod on pm.productno = sod.productno join sales\_order as so on so.orderno=sod.orderno join client\_master as cm on

cm.clientno = so.clientno and cm.name='Ivan Bayross';

-- 2.b

-- ashraf

select sod.productno,pm.description,sum(sod.qtyordered) as total\_qty from product\_master as pm join sales\_order\_details as sod on pm.productno=sod.productno join sales\_order as so on so.orderno = sod.orderno

where MONTHNAME(so.delydate)= MONTHNAME(CURDATE()) group by sod.productno,pm.description;

-- 2.c

-- ashraf

select distinct pm.productno,pm.description from sales\_order\_details as sod join product\_master as pm on pm.productno=sod.productno;

-- 2.d

-- ashraf

select distinct so.clientno,cm.name from product\_master as pm join sales\_order\_details as sod on pm.productno=sod.productno join sales\_order as so on so.orderno = sod.orderno join

client\_master as cm on cm.clientno = so.clientno where pm.description="Trousers";

-- 2.e

-- ashraf

select sod.productno,sod.orderno from product\_master as pm join sales\_order\_details as sod on pm.productno=sod.productno join sales\_order as so on so.orderno = sod.orderno

where sod.qtyordered<5 and pm.description="Pull Overs";

-- 2.f

-- ashraf

select sod.productno,pm.description,sum(sod.qtyordered) as units\_ordered from product\_master as pm join sales\_order\_details as sod on pm.productno=sod.productno join sales\_order as so on so.orderno = sod.orderno

join client\_master as cm on cm.clientno = so.clientno where (cm.name="Ivan Bayross" or cm.name="Mamta Muzumdar") group by sod.productno , pm.description;

-- 2.g

-- ashraf

select so.clientno,sod.productno,pm.description,sum(sod.qtyordered) as units\_ordered from product\_master as pm join sales\_order\_details as sod on pm.productno=sod.productno join sales\_order as so on so.orderno = sod.orderno

join client\_master as cm on cm.clientno = so.clientno group by so.clientno,sod.productno , pm.description having so.clientno='C00001' or so.clientno='C00002';

-- 3.a

-- ashraf

select productno,description from product\_master where productno Not In(select productno from sales\_order\_details);

USE DBMS\_CH\_7\_1;

-- 3.b

-- ashraf

select name,address1,address2,city,state,pincode from client\_master where clientno In(select clientno from sales\_order where orderno='O19001');

-- 3.c

-- ashraf

select client\_no,name from client\_master where client\_no In(select client\_no from sales\_order where DATE\_FORMAT(order\_date ,'%M-%y')<'May-02');

-- 3.d

-- ashraf

select client\_no,name from client\_master where client\_no In(select client\_no from sales\_order where order\_no In(select order\_no from sales\_order\_details where product\_no

In(select product\_no from product\_master where description ='Lycra Tops')));

-- 3.e

-- ashraf

select name from client\_master where client\_no In(select client\_no from sales\_order where order\_no In(select order\_no from sales\_order\_details where (qty\_ordered\*product\_rate)>=10000));

chapter-11:

USE DBMS\_CH\_8;

-- 1.a

create index idx\_Prod on product\_master(costprice);

-- 1.b

create sequence inv\_seq increment by 3 start with 1 minvalue 1 maxvalue 9999 cycle cache 4 order by asc;

-- 1.c

create view vw\_sal\_ord as select s.orderno,s.orderdate,sod.productno,sod.productrate,sod.qtyordered,s.orderstatus from sales\_order s,sales\_order\_details sod where s.orderno=sod.orderno;

chapter-7 client master table:

-- Create Database

create DATABASE DBMS\_CH\_7\_1;

USE DBMS\_CH\_7\_1;

-- Create Table CLIENT\_MASTER 1 NO

create table CLIENT\_MASTER(

CLIENTNO Varchar(6),

NAME Varchar(20),

ADDRESS1 Varchar(30),

ADDRESS2 Varchar(30),

CITY Varchar(15),

PINCODE numeric(8),

STATE Varchar(15),

BALDUE Numeric(10,2)

);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00001','Ivan Bayross','Mumbai',400054,'Maharashtra',15000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00002','Mamta Muzumdar','Madras',780001,'Tamil Nadu',0);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00003','Chhaya Banker','Mumbai',400057,'Maharashtra',5000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00004','Ashwini Joshi','Bangalore',560001,'Karnataka',0);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00005','Hansel Colaco','Mumbai',400060,'Maharashtra',2000);

INSERT INTO CLIENT\_MASTER(CLIENTNO,NAME,CITY,PINCODE,STATE,BALDUE) VALUES('C00006','Deepak Sharma','Mangalore',560050,'Karnataka',0);

-- Show Data From Table

select \* From CLIENT\_MASTER;

-- Create Table SALESMAN\_MASTER 1 no

create table SALESMAN\_MASTER(

SALESMANNO Varchar(6),

NAME Varchar(20),

ADDRESS1 Varchar(30),

ADDRESS2 Varchar(30),

CITY Varchar(20),

PINCODE integer(8),

STATE Varchar(20),

SALAMT integer(8),

TGTTOGET integer(6),

YTDSALES integer(6),

REMARKS Varchar(60)

);

-- Insert Value in SALESMAN\_MASTER Table

INSERT INTO SALESMAN\_MASTER(SALESMANNO,NAME,ADDRESS1,ADDRESS2,CITY,PINCODE,STATE,SALAMT,TGTTOGET,YTDSALES,REMARKS) VALUES('S00001','Aman','A/14','Worli','Mumbai',400002,'Maharashtra',3000,100,50,'Good');

INSERT INTO SALESMAN\_MASTER(SALESMANNO,NAME,ADDRESS1,ADDRESS2,CITY,PINCODE,STATE,SALAMT,TGTTOGET,YTDSALES,REMARKS) VALUES('S00002','Omkar','65','Nariman','Mumbai',400001,'Maharashtra',3000,200,100,'Good');

INSERT INTO SALESMAN\_MASTER(SALESMANNO,NAME,ADDRESS1,ADDRESS2,CITY,PINCODE,STATE,SALAMT,TGTTOGET,YTDSALES,REMARKS) VALUES('S00003','Raj','P-7','Bandra','Mumbai',400032,'Maharashtra',3000,200,100,'Good');

INSERT INTO SALESMAN\_MASTER(SALESMANNO,NAME,ADDRESS1,ADDRESS2,CITY,PINCODE,STATE,SALAMT,TGTTOGET,YTDSALES,REMARKS) VALUES('S00004','Ashish','A/5','Juhu','Mumbai',400044,'Maharashtra',3500,200,150,'Good');

-- Show Data From Table

select \* From SALESMAN\_MASTER;

-- Create Table SALES\_ORDER 2.b no

create table SALES\_ORDER(

ORDERNO Varchar(6),

primary key (ORDERNO),

check (ORDERNO like 'O%'),

CLIENTNO Varchar(6),

foreign key (CLIENTNO) references CLIENT\_MASTER (CLIENTNO),

ORDERDATE date not null,

SALESMANNO Varchar(6),

foreign key (SALESMANNO) references SALESMAN\_MASTER(SALESMANNO),

DELYTYPE Char(1) default 'F',

check(DELYTYPE in ('P','F')),

BILLYN Char(1),

DELYDATE date,

check (DELYDATE < ORDERDATE),

ORDERSTATUS Varchar(10),

check (ORDERSTATUS in ('In Process','Fulfilled','BackOrder','Cancelled'))

);

-- Create Table SALES\_ORDER\_DETAILS 1 no

create table SALES\_ORDER\_DETAILS(

ORDERNO Varchar(6),

foreign key (ORDERNO) references SALES\_ORDER (ORDERNO),

PRODUCTNO Varchar(6),

foreign key (PRODUCTNO) references PRODUCT\_MASTER(PRODUCTNO),

QTYORDERED Varchar(6),

QTYDISP integer(8),

PRODUCTRATE integer(10)

);

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O19001','C00001',str\_to\_date('12-June-04','%d-%M-%y'),'S00001','F','N',str\_to\_date('20-July-02','%d-%M-%y'),'In Process');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O19002','C00002',str\_to\_date('25-June-04','%d-%M-%y'),'S00002','F','N',str\_to\_date('27-June-02','%d-%M-%y'),'Cancelled');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O46865','C00003',str\_to\_date('18-Feb-04','%d-%M-%y'),'S00003','F','Y',str\_to\_date('20-Feb-02','%d-%M-%y'),'Fulfilled');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O19003','C00001',str\_to\_date('03-Apr-04','%d-%M-%y'),'S00001','F','Y',str\_to\_date('07-Apr-02','%d-%M-%y'),'Fulfilled');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O46866','C00004',str\_to\_date('20-May-04','%d-%M-%y'),'S00002','F','N',str\_to\_date('22-May-02','%d-%M-%y'),'Cancelled');

INSERT INTO SALES\_ORDER(ORDERNO,CLIENTNO,ORDERDATE,SALESMANNO,DELYTYPE,BILLYN,DELYDATE,ORDERSTATUS) VALUES('O19008','C00005',str\_to\_date('24-May-04','%d-%M-%y'),'S00004','F','N',str\_to\_date('26-July-02','%d-%M-%y'),'In Process');

select \* From SALES\_ORDER;

-- Create Table PRODUCT\_MASTER 1 no

create table PRODUCT\_MASTER(

PRODUCTNO Varchar(6),

DESCRIPTION Varchar(15),

PROFITPERCENT Numeric(4,2),

UNITMEASURE Varchar(10),

QTYONHAND Numeric(8),

REORDERLVL Numeric(8),

SELLPRICE Numeric(8,2),

COSTPRICE Numeric(8,2)

);

-- Create Table SALESMAN\_MASTER 1 no

create table SALESMAN\_MASTER(

SALESMANNO Varchar(6),

SALESMANNAME Varchar(20),

ADDRESS1 Varchar(30),

ADDRESS2 Varchar(30),

CITY Varchar(20),

PINCODE Numeric(8),

STATE Varchar(20),

SALAMT Numeric(8,2),

TGTTOGET Numeric(6,2),

YTDSALES Numeric(6,2),

REMARKS Varchar(60)

);

1-11-23:

-- Create Database

create DATABASE shifa;

USE shifa;

-- Create Table

create table STUDENT\_DATA(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30)

);

-- Insert Value

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Shifa',39,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jemi',40,'2020-21','ITF');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',01,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jerin',02,'2020-21','IPE');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jafrin',03,'2020-21','DBMS');

-- Show Data From Table

select \* From STUDENT\_DATA;

-- view

create view stu\_info as select name,roll,course from STUDENT\_DATA;

create view stu\_info2 as select roll,session from STUDENT\_DATA;

select \* from stu\_info;

select \* from stu\_info2;

-- view operation join

select stu\_info.name,stu\_info.roll,stu\_info.course,stu\_info2.roll,stu\_info2.session from stu\_info join stu\_info2 on stu\_info.roll=stu\_info2.roll;

-- view operation update

UPDATE stu\_info SET roll= 10 WHERE roll=01;

select \* from stu\_info;

-- view operation delete

delete from stu\_info where name='Shifa';

select \* from stu\_info;

--

alter table stu\_info Modify name varchar(30); -- view table modify kora jabe na maybe

-- trigger

-- Create Table

create table table3(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30)

);

-- insert

create trigger table5\_insert before insert on STUDENT\_DATA for each row insert into table3 values(new.name,new.roll,new.session,new.course);

select \* From STUDENT\_DATA;

select \* from table3;

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Nujha',30,'2020-21','MATH');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jadwa',20,'2020-21','DM');

select \* From STUDENT\_DATA;

select \* from table3;

-- update

create trigger table5\_update after update on STUDENT\_DATA for each row insert into table3 values(new.name,new.roll,new.session,new.course);

select \* From STUDENT\_DATA;

select \* from table3;

UPDATE STUDENT\_DATA SET roll= 25 WHERE roll=30;

select \* From STUDENT\_DATA;

select \* from table3;

-- delete

create trigger table5\_delete after delete on STUDENT\_DATA for each row insert into table3 values(old.name,old.roll,old.session,old.course);

select \* From STUDENT\_DATA;

select \* from table3;

delete from STUDENT\_DATA where name='Shifa';

select \* From STUDENT\_DATA;

select \* from table3;

sql file-20:

-- Create Database

create DATABASE jemi;

USE jemi;

-- Create Table

create table STUDENT\_DATA(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30)

);

-- Insert Value

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Shifa',39,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jemi',40,'2020-21','ITF');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',01,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jerin',02,'2020-21','IPE');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jafrin',03,'2020-21','DBMS');

-- Show Data From Table

select \* From STUDENT\_DATA;

-- view

create view stu\_info as select name,roll,course from STUDENT\_DATA;

create view stu\_info2 as select roll,session from STUDENT\_DATA;

select \* from stu\_info;

select \* from stu\_info2;

-- 2 view table join

select stu\_info.name,stu\_info.roll,stu\_info.course,stu\_info2.roll,stu\_info2.session from stu\_info join stu\_info2 on stu\_info.roll=stu\_info2.roll;

-- view operation update

UPDATE stu\_info SET roll= 10 WHERE roll=01;

select \* from stu\_info;

-- view operation delete

delete from stu\_info where name='Shifa';

select \* from stu\_info;

-- main table update operation

UPDATE STUDENT\_DATA SET name= 'Shazid' WHERE name='Jarir';

select \* from STUDENT\_DATA;

select \* from stu\_info;

-- main table delete operation

delete from stu\_info where name='Shifa';

select \* from stu\_info;

-- trigger

-- Create Table

create table table3(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30)

);

-- insert

create trigger table5\_insert before insert on STUDENT\_DATA for each row insert into table3 values(new.name,new.roll,new.session,new.course);

select \* From STUDENT\_DATA;

select \* from table3;

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Nujha',30,'2020-21','MATH');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jadwa',20,'2020-21','DM');

select \* From STUDENT\_DATA;

select \* from table3;

-- update

create trigger table5\_update before update on STUDENT\_DATA for each row insert into table3 values(new.name,new.roll,new.session,new.course);

select \* From STUDENT\_DATA;

select \* from table3;

UPDATE STUDENT\_DATA SET roll= 25 WHERE roll=30;

select \* From STUDENT\_DATA;

select \* from table3;

-- delete after

create trigger table5\_delete after delete on STUDENT\_DATA for each row insert into table3 values(old.name,old.roll,old.session,old.course);

select \* From STUDENT\_DATA;

select \* from table3;

delete from STUDENT\_DATA where name='Shifa';

select \* From STUDENT\_DATA;

select \* from table3;

-- delete before

create trigger table5\_delete before delete on STUDENT\_DATA for each row insert into table3 values(old.name,old.roll,old.session,old.course);

select \* From STUDENT\_DATA;

select \* from table3;

delete from STUDENT\_DATA where name='Shifa';

select \* From STUDENT\_DATA;

select \* from table3;

---------------------------------------------------

create trigger table5 after update on STUDENT\_DATA for each row insert into table4 values(new.name,new.roll,new.session,new.course);

-- main table

-- update

UPDATE STUDENT\_DATA SET roll= 25 WHERE roll=30;

select \* From STUDENT\_DATA;

select \* from table3;

-- delete

delete from STUDENT\_DATA where name='Nujha';

select \* From STUDENT\_DATA;

select \* from table3;

-- trigger table

-- update

UPDATE table3 SET roll= 25 WHERE roll=30;

select \* From STUDENT\_DATA;

select \* from table3;

-- delete

delete from table3 where name='Nujha';

select \* From STUDENT\_DATA;

select \* from table3;

create trigger table4 after insert on STUDENT\_DATA for each row insert into table3 values(old.name,old.roll,old.session,old.course);

create trigger table4 before insert on STUDENT\_DATA for each row insert into table3 values(old.name,old.roll,old.session,old.course);

-- old row not exist

Lab sql(1-11):

-- Create Database

create DATABASE ICE\_9th\_batch;

USE ICE\_9th\_batch;

-- Create Table

create table STUDENT\_DATA(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30)

);

-- Insert Value

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Shifa',39,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jemi',40,'2020-21','ITF');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',01,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',02,'2020-21','IPE');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',03,'2020-21','DBMS');

-- Show Data From Table

select \* From STUDENT\_DATA;

select \* from STUDENT\_DATA where roll =01;

select \* from STUDENT\_DATA where name='Shifa';

select \* from STUDENT\_DATA where session='2020-21';

select Distinct name from STUDENT\_DATA;

select roll from STUDENT\_DATA order by roll asc;

select roll from STUDENT\_DATA order by roll desc;

select roll from STUDENT\_DATA where roll=03;

select \* from STUDENT\_DATA where name='Jarir' AND roll=03 ;

select \* from STUDENT\_DATA where name='Jarir' or roll=03 ;

alter table STUDENT\_DATA ADD column dept varchar(30);

alter table STUDENT\_DATA Drop column dept;

alter table STUDENT\_DATA Rename column roll to id;

alter table STUDENT\_DATA Modify roll float(30);

UPDATE STUDENT\_DATA SET id= 10 WHERE id=1;

delete from STUDENT\_DATA where name='Shifa';

-- Destroy Table

DROP TABLE STUDENT\_DATA ;

-- Drop Database

DROP DATABASE ICE\_9th\_batch;

Lab sql(24-25):

-- Create Database

create DATABASE shifa;

USE shifa;

-- Create Table

create table STUDENT\_DATA(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30)

);

-- Insert Value

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Shifa',39,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jemi',40,'2020-21','ITF');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jarir',01,'2020-21','DC');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jerin',02,'2020-21','IPE');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jafrin',03,'2020-21','DBMS');

-- Show Data From Table

select \* From STUDENT\_DATA;

-- view

create view stu\_info as select name,roll,course from STUDENT\_DATA;

create view stu\_info2 as select roll,session from STUDENT\_DATA;

select \* from stu\_info;

select \* from stu\_info2;

-- view operation join

select stu\_info.name,stu\_info.roll,stu\_info.course,stu\_info2.roll,stu\_info2.session from stu\_info join stu\_info2 on stu\_info.roll=stu\_info2.roll;

-- view operation update

UPDATE stu\_info SET roll= 10 WHERE roll=01;

select \* from stu\_info;

-- view operation delete

delete from stu\_info where name='Shifa';

select \* from stu\_info;

-- trigger

-- Create Table

create table table3(

name varchar(50),

roll int(30),

session varchar(30),

course varchar(30)

);

-- insert

create trigger table5\_insert before insert on STUDENT\_DATA for each row insert into table3 values(new.name,new.roll,new.session,new.course);

select \* From STUDENT\_DATA;

select \* from table3;

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Nujha',30,'2020-21','MATH');

INSERT INTO STUDENT\_DATA(name,roll,session,course) VALUES('Jadwa',20,'2020-21','DM');

select \* From STUDENT\_DATA;

select \* from table3;

-- update

create trigger table5\_update after update on STUDENT\_DATA for each row insert into table3 values(new.name,new.roll,new.session,new.course);

select \* From STUDENT\_DATA;

select \* from table3;

UPDATE STUDENT\_DATA SET roll= 25 WHERE roll=30;

select \* From STUDENT\_DATA;

select \* from table3;

-- delete

create trigger table5\_delete after delete on STUDENT\_DATA for each row insert into table3 values(old.name,old.roll,old.session,old.course);

select \* From STUDENT\_DATA;

select \* from table3;

delete from STUDENT\_DATA where name='Shifa';

select \* From STUDENT\_DATA;

select \* from table3;