**1)Create the databases named student , employee , production with tables and fields of your own.**

**2)Display databases and tables using SHOW command.**

**3)Drop any one table in the database STUDENT.**

**4)Alter any field of the table in the database PRODUCTION.**

create database student;

create database employee;

create database production;

use employee;

create table myemployee

(

ID int,

NAME varchar(15) not null,

Age int,

Address varchar(20) not null,

salary int

);

insert into myemployee values(1, 'Ramesh', 32, 'Ahmedabad', 2000);

insert into myemployee values(2, 'Khilan', 25, 'Delhi',1500);

insert into myemployee values(3, 'Kaushit', 23, 'KOta', 2000);

insert into myemployee values(4, 'Chaitali', 25, 'Mumbai', 6500);

insert into myemployee values(5, 'Hardik', 27, 'Bhopal', 8500);

insert into myemployee values(6, 'Komal', 22, 'MP', 4500);

insert into myemployee values(7, 'Muffy', 24, 'Indore', 10000);

select \* from myemployee;

use student;

create table mystudent

(

ID int,

NAME varchar(15) not null,

Age int,

Address varchar(20) not null,

College varchar(10) null

);

insert into mystudent values(1, 'Ramesh', 32, 'Ahmedabad', 'Sona' );

insert into mystudent values(3, 'Kaushit', 23, 'KOta', 'AVS');

insert into mystudent values(2, 'Khilan', 25, 'Delhi', NULL);

insert into mystudent values(4, 'Chaitali', 25, 'Mumbai', NULL);

insert into mystudent values(3, 'Kaushit', 23, 'KOta', 'AVS');

select \* from mystudent;

select count(\*) from mystudent;

select count(\*),count(Name),count(Age), count(College) from mystudent;

select count(distinct Name) from mystudent;

select count(distinct College) from mystudent;

drop table mystudent;

use production;

create table myproduct

(

ID int,

Product varchar(15) not null,

Rate int,

Address varchar(20) not null,

sales int

);

insert into myproduct values(1, 'Radio', 2000, 'Ahmedabad', 2000);

insert into myproduct values(2, 'TV', 22000, 'Delhi',1500);

insert into myproduct values(3, 'Mobile', 15000, 'KOta', 2000);

insert into myproduct values(3, 'Mobile', 15000, 'KOta', 2000);

select \* from myproduct;

alter table myproduct add warrenty smallint unsigned;

desc myproduct;

select \* from myproduct;

**5)Create a table named Employee in the database Company**

**6)Assign a Primary Key to the field id in the table.**

create database company;

Use company;

create table employee

(

ID int primary key,

NAME varchar(15) not null,

Age int,

Address varchar(20) not null,

salary int

);

insert into employee values(1, 'Ramesh', 32, 'Ahmedabad', 2000);

insert into employee values(2, 'Khilan', 25, 'Delhi',1500);

insert into employee values(3, 'Kaushit', 23, 'KOta', 2000);

insert into employee values(4, 'Chaitali', 25, 'Mumbai', 6500);

desc employee;

select \* from employee;

**7)Create a table student with appropriate fields and insert values into it.Display the number of records in that table and also display the distinct records of it**

create database student;

use student;

create table mystudent

(

ID int,

NAME varchar(15) not null,

Age int,

Address varchar(20) not null,

College varchar(10) null

);

insert into mystudent values(1, 'Ramesh', 32, 'Ahmedabad', 'Sona' );

insert into mystudent values(3, 'Kaushit', 23, 'KOta', 'AVS');

insert into mystudent values(2, 'Khilan', 25, 'Delhi', NULL);

insert into mystudent values(4, 'Chaitali', 25, 'Mumbai', NULL);

insert into mystudent values(3, 'Kaushit', 23, 'KOta', 'AVS');

select \* from mystudent;

select count(\*) from mystudent;

select count(\*),count(Name),count(Age), count(College) from mystudent;

select count(distinct Name) from mystudent;

select count(distinct College) from mystudent;

**Consider the given table Employee**

**ID NAME AGE ADDRESS SALARY**

**1 Ramesh 32 Ahmedabad 2000**

**2 Khilan 25 Delhi 1500**

**3 kaushik 23 Kota 2000**

**4 Chaitali 25 Mumbai 6500**

**5 Hardik 27 Bhopal 8500**

**6 Komal 22 MP 4500**

**7 Muffy 24 Indore 10000**

**Update the address of Komal to "Maharashtra".",**

create database employee;

use employee;

create table myemployee

(

ID int,

NAME varchar(15) not null,

Age int,

Address varchar(20) not null,

salary int

);

insert into myemployee values(1, 'Ramesh', 32, 'Ahmedabad', 2000);

insert into myemployee values(2, 'Khilan', 25, 'Delhi',1500);

insert into myemployee values(3, 'Kaushit', 23, 'KOta', 2000);

insert into myemployee values(4, 'Chaitali', 25, 'Mumbai', 6500);

insert into myemployee values(5, 'Hardik', 27, 'Bhopal', 8500);

insert into myemployee values(6, 'Komal', 22, 'MP', 4500);

insert into myemployee values(7, 'Muffy', 24, 'Indore', 10000);

desc myemployee;

select \* from myemployee;

update myemployee set address = 'Maharastra' where name = 'komal';

select \* from myemployee;

delete from myemployee where age <= 25;

select \* from myemployee;

**Consider the table Student.**

|  |  |  |
| --- | --- | --- |
| **ID** | **NAME** | **AGE** |
| **1** | **Vinodini** | **25** |
| **2** | **Banu** | **27** |
| **3** | **kaushik** | **23** |
| **4** | **Praveen** | **25** |
| **5** | **Kamal** | **22** |
| **6** | **Malini** | **24** |
| **7** | **Ramesh** | **32** |

**Display the name of the individuals whose age is lesser that 25 and greater than 30**

create database student;

use employee;

create table employee(

ID int,

NAME varchar(15) not null,

AGE int

);

insert into student values(1, 'Vinodini', 25);

insert into student values(2, 'Banu', 27);

insert into student values(3, 'Kaushik', 23);

insert into student values(4, 'Praveen', 25);

insert into student values(5, 'Kamal', 22);

insert into student values(6, 'Malini', 24);

insert into student values(7, 'Ramesh', 32);

select \* from student;

select \* from student

-> order by age asc;

**Consider the table Student.**

|  |  |  |
| --- | --- | --- |
| **ID** | **NAME** | **AGE** |
| **1** | **Vinodini** | **25** |
| **2** | **Banu** | **27** |
| **3** | **kaushik** | **23** |
| **4** | **Praveen** | **25** |
| **5** | **Kamal** | **22** |
| **6** | **Malini** | **24** |
| **7** | **Ramesh** | **32** |

**Display the record(s) who is of age 32 or 22**

create database student;

use employee;

create table employee(

ID int,

NAME varchar(15) not null,

AGE int

);

insert into student values(1, 'Vinodini', 25);

insert into student values(2, 'Banu', 27);

insert into student values(3, 'Kaushik', 23);

insert into student values(4, 'Praveen', 25);

insert into student values(5, 'Kamal', 22);

insert into student values(6, 'Malini', 24);

insert into student values(7, 'Ramesh', 32);

select \* from student;

select \* from student

-> where age = '32' or age = '22';

**Consider the table Student.**

|  |  |  |
| --- | --- | --- |
| **ID** | **NAME** | **AGE** |
| **1** | **Vinodini** | **25** |
| **2** | **Banu** | **27** |
| **3** | **kaushik** | **23** |
| **4** | **Praveen** | **25** |
| **5** | **Kamal** | **22** |
| **6** | **Malini** | **24** |
| **7** | **Ramesh** | **32** |

**Display the record(s) who is of age 32 or 22**

create database student;

use employee;

create table employee(

ID int,

NAME varchar(15) not null,

AGE int

);

insert into student values(1, 'Vinodini', 25);

insert into student values(2, 'Banu', 27);

insert into student values(3, 'Kaushik', 23);

insert into student values(4, 'Praveen', 25);

insert into student values(5, 'Kamal', 22);

insert into student values(6, 'Malini', 24);

insert into student values(7, 'Ramesh', 32);

select \* from student;

select \* from student

-> where age > '30' or age < '25';

**1) Write a query to get the DATE value from a given day (number in N).**

**Sample days: 730677  
Output: 2000-07-11**

select from\_days(730677);

**2) Write a query to get the current date in the following format.**

**Sample date : 2015-09-10  
Output : September 10, 2015**

select date\_format('2015-09-10', '%M %d %Y');

**3) Write a query to display the current date in a given format.  
Sample output : 05/09/2014**

select date\_format('2015-09-10', '%m/%d/%Y');

**Inner, Left & Right Join:**

create database student;

use empdetails;

create table empdetails (

ID int,

NAME varchar(15) not null,

HEIGHT int,

WEIGHT int,

CITY varchar(10) null

);

insert into empdetails values(1, 'Vinodini', 150,50,'TN');

insert into empdetails values(2, 'Banu', 160,60, 'TS');

insert into empdetails values(3, 'Kaushik', 140,55, 'KA');

insert into empdetails values(4, 'Praveen', 170,82, 'AP');

insert into empdetails values(5, 'Karan', null,null,null);

insert into empdetails values(6, 'Maha', null,null,null);

insert into empdetails values(7, 'Ramesh', 180,85, 'KL');

select \* from student;

**For INNER JOIN**

select st.name,st.age,em.height,em.weight,em.city

from student st, empdetails em

where st.name = em.name;

**For LEFT JOIN**

select st.name,st.age,em.height,em.weight,em.city

from student st left join empdetails em

on st.name = em.name;

**For RIGHT JOIN**

select st.name,st.age,em.height,em.weight,em.city

from student st right join empdetails em

on st.name = em.name;

**Create the table 'Employee' with the Fields ID , NAME , AGE and Assign AUTOINCREMENT to the field ID.**

create database company;

use company;

create table Employee (

ID int not null auto\_increment,

NAME varchar(15) not null,

AGE int,

Primary key(id)

);

insert into Employee (name,age) values ('Vinodini', 25);

insert into Employee (name,age) values('Banu', 27);

insert into Employee (name,age) values('Kaushik', 23);

insert into Employee (name,age) values('Praveen', 25);

select \* from Employee;

**Create a view from the table Employee(ID , NAME , AGE) with only name column in the view created.**

create database company;

use company;

create table Employee (

ID int not null,

NAME varchar(15) not null,

AGE int

);

insert into Employee values (1, 'Vinodini', 25);

insert into Employee values(2, 'Banu', 27);

insert into Employee values(3, 'Kaushik', 23);

insert into Employee values(4, 'Praveen', 25);

select \* from Employee;

create view emp\_name as

select name from Employee;

select \* from emp\_name;

**Create the Index for the table GUVI and drop it.**

create database company;

use company;

create table guvi (

ID int not null,

NAME varchar(15) not null,

AGE int

);

insert into guvi values (1, 'Vinodini', 25);

insert into guvi values(2, 'Banu', 27);

insert into guvi values(3, 'Kaushik', 23);

insert into guvi values(4, 'Praveen', 25);

select \* from guvi;

create index idx\_name on guvi (name);

desc guvi;

drop table guvi;