DESKTOP-QJ8FI0G\SPARTA

create database demo;

use demo;

create table Employees(EmpID int,EmpName varchar(20),EmpAge int,EmpSalary int);

insert into Employees values(1,'Sita',56,1000);

insert into Employees values(2,'vichita',66,2000);

insert into Employees values(3,'kamakshi',53,3000);

insert into Employees values(4,'Vijaylakshmi',63,1500);

insert into Employees values(5,'KrishnaVeni',52,1600);

insert into Employees values(6,'Nirmala',52,1600);

select \* from Employees

delete from Employees where EmpID=1

select DISTINCT EmpSalary,EmpAge from Employees;

select count(DISTINCT EmpSalary) from Employees;

select \* from Employees where EmpSalary<2000 AND EmpAge<60;

select \* from Employees where EmpSalary<2000 OR EmpAge<60;

select \* from Employees where Not EmpSalary<2000 AND EmpAge<60;

select \* from Employees where (EmpSalary<2000 OR EmpID<5) AND Not EmpAge<60;

select \* from Employees order by EmpSalary;

select \* from Employees order by EmpName ASC,EmpID DESC;

insert into Employees (EmpID,EmpAge) values(7,40);

insert into Employees values(8,'SRK',49,0);

delete from Employees where EmpID=8;

select \* from Employees where EmpName is null;

select \* from Employees where EmpName is not null;

update Employees set EmpName='Harika' where EmpName is null;

select Top 3 \* from Employees where EmpAge<60

select max(EmpAge) as greaterAge from Employees where EmpSalary Between 1500 and 3000

select min(EmpAge) from Employees where EmpSalary Between 1500 and 3000

select Avg(EmpSalary) from Employees where EmpAge<60;

select count(EmpSalary) from Employees where EmpAge<60;

select sum(EmpSalary) from Employees where EmpAge<60;

select \* from Employees where EmpName like '%it\_';

select \* from Employees where EmpName in ('Sita','Harika');

GroupBy:

Select column\_name from table\_Name where condition groupBy(column\_Name) orderBy(column\_Names)

select e.EmpName from Employees as e where EmpAge<60

select avg(EmpAge),EmpSalary from Employees where EmpSalary<3000 group by EmpSalary order by avg(EmpSalary) desc;

select avg(EmpAge) from Employees

select 'this is a string';

select SUBSTRING('this is a string',11,16);

select Upper('this is a string');

select lower('THIS IS A STRING');

select LTRIM(' string');

JOINS:

InnerJOIN:

Select columns from table1 inner join table2 on table1.column1=table2.column2

Returns the

Left JOIN:

Select columns from table1 left join table2 on table1.column1=table2.column2

Right JOIN:

Select columns from table1 right join table2 on table1.column1=table2.column2

Full join:

Select columns form table1 full join table2 on table1.column1.column1=table2.tcolumn2

Alter table Employees add EmpDept varchar(20);

select\* from Employees;

update Employees set EmpDept='Operations' where EmpName='Sita';

update Employees set EmpDept='Support' where EmpAge<=50;

update Employees set EmpDept='Technical' where EmpAge>=60;

update Employees set EmpDept='Analysis' where EmpName='Nirmala' or EmpName='Kamakshi'or EmpName='KrishnaVeni';

create table department(d\_Name varchar(10),d\_Location varchar(10));

select \* from department;

insert into department values('Analysis','Hyderabad');

insert into department values('Analysis','Vizag');

insert into department values('Support','Kothag');

insert into department values('Technical','Vuyyuru');

update department set d\_Name='Office' where d\_Location='Vizag';

select Employees.EmpName,Employees.EmpDept,department.d\_Location from Employees inner join department on Employees.EmpDept=department.d\_Name;

select Employees.EmpName,Employees.EmpDept,department.d\_Location from Employees left join department on Employees.EmpDept=department.d\_Name;

select Employees.EmpName,Employees.EmpDept,department.d\_Location from Employees right join department on Employees.EmpDept=department.d\_Name;

select Employees.EmpName,Employees.EmpDept,department.d\_Location from Employees full join department on Employees.EmpDept=department.d\_Name;

select \* from Employees except select \* from department;

select \* from Employees intersect select \* from department;

In except, Intersect operators, the column names should be same and equal number.

Except will not give the common records whereas intersect will give the common records

**Merge:**

**Merge Target as T using Source as S on [condition] when matched then[update statement] when not matched by target[Insert statement] when not matched by source[delete statement];**