DDL- Create , alter , drop  
  
create table Adil\_Syed  
(  
id number (2),  
name varchar (10),  
location varchar (15)  
);  
select \* from Adil\_Syed;  
  
alter table Adil\_Syed  
add email\_id varchar (25);  
  
alter table Adil\_Syed  
drop column location ;  
  
alter table Adil\_Syed  
modify name varchar (25);  
  
alter table Adil\_Syed  
modify name varchar (5);  
  
desc Adil\_Syed;  
  
drop table Adil\_Syed;  
  
  
DML - Insert , update, delete  
  
create table Adil  
(  
id number (2),  
name varchar (10),  
location varchar (15)  
);  
  
select \* from Adil\_Syed;  
  
insert into Adil\_Syed  
values (1,'adil','hyd');  
  
insert into Adil\_Syed  
values ('2','  vishnu','bng');  
  
insert into Adil\_Syed  
values ('3','john','uk');  
  
select \* from Adil\_Syed;  
  
select \* from Adil;  
  
insert into Adil  
value (select \* from Adil\_Syed);  
  
truncate table Adil\_Syed;  
  
update Adil\_Syed  
set location = 'chn'  
where id =1;  
  
delete Adil\_Syed;  
  
delete Adil\_Syed  
where id =1;  
  
TCL - commit, rollback;  
  
commit;  
  
rollback;  
  
DCL -Grant,revoke  
  
select \* from employees;  
  
Aggregate function":- sum, min, avg, max  
  
select sum (salary) from employees;  
select min (salary) from employees;  
select avg (salary) from employees;  
select max (salary) from employees;  
  
select sum (salary), sum (department\_id) from employees;  
  
Character function  
  
initcap  
upper  
lower  
ltrim  
rtrim  
trim  
decode  
nvl  
  
select \* from Adil\_Syed;  
  
select id, initcap(name), location from Adil\_Syed;  
select id, upper(name), location from Adil\_Syed;  
select id, lower(name), location from Adil\_Syed;  
select id, ltrim(name), ltrim(location) from Adil\_Syed;  
select id, rtrim(name), location from Adil\_Syed;  
select id, trim(name), location from Adil\_Syed;  
  
select id, name, decode (location, 'hyd','hyderabad','bng','bangalore','uk','unitedkingdom') from Adil\_Syed;  
  
select \* from employees;  
  
select first\_name, salary, commission\_pct, nvl (commission\_pct, 15) from employees;

select \* from employees

select department\_id, sum (salary) from employees group by department\_id order by department\_id;

create table Amazon(

online\_site varchar(20),

Price Number(10)

);

insert into amazon values('flipkart',100);

insert into amazon values('myntra',50);

insert into amazon values('google',100);

insert into amazon values('shopclues',20);

insert into amazon values('google',100);

insert into amazon values('gmail',100);

insert into amazon values('chrome',100);

insert into amazon values('flipkart',100);

insert into amazon values('google',100);

insert into amazon values('myntra',100);

insert into amazon values('flipkart',100);

select \* from amazon

select online\_site, sum(price) from amazon group by (online\_site) order by online\_site ;

select \* from amazon where online\_site = 'flipkart'

select department\_id, sum (salary) from employees group by department\_id having sum(salary) > 20000 order by department\_id;

select department\_id, sum (salary) from employees group by department\_id having sum(salary) > 20000 order by department\_id;

\*\*select department\_id, sum(salary) from employees where department\_id <> 30 group by department\_id having sum(salary) >20000;

select \* from employees;

select job\_id, count(job\_id) from employees group by job\_id having count(job\_id) >1;

select manager\_id, count(manager\_id) from employees group by manager\_id having count(manager\_id) >1;

\*\*select department\_id, count (department\_id) from employees group by department\_id having count(department\_id)>1;

select distinct (job\_id) from employees;

select distinct(manager\_id) from employees;

select distinct(department\_id)from employees;

select \* from employees order by salary;

select \* from employees order by salary asc;

select \* from employees order by salary desc;

select employee\_id, salary from employees order by employee\_id desc;

AND, OR, BETWEEN.

select \* from employees where first\_name = 'Steven' and department\_id = 90;

select \* from employees where first\_name = 'Steven' and department\_id = 500;

select \* from employees where first\_name = 'Steven' and department\_id = 80;

OR

select \* from employees where first\_name = 'Steven' or department\_id = 500;

select \* from employees where first\_name = 'Steven' or department\_id = 90;

select \* from employees where first\_name = 'Steven' and department\_id = 90;

select \* from employees

select \* from employees where salary between 10000 and 15000;

select \* from employees where salary between 20000 and 35000;

COMPARISON OPERATOR : >,<, =, >=, <=, <>.

select \* from employees where salary >10000;

select \* from employees where salary >11000;

select \* from employees where salary >= 11000;

select \* from employees where salary < 10000;

select \* from employees where salary <= 10000;

select \* from employees where salary = 10000;

select \* from employees where salary <> 10000;

create table Flipkart(

Product\_id number (3) not null,

product\_name varchar(15),

Product\_location varchar(15),

price number(3));

select \* from Flipkart

insert into flipkart values(1,'Amul','Hyderabad','500');

insert into flipkart values('1','chocolate','Bangalore','50');

create table Myntra(

Product\_id number (3) unique,

product\_name varchar(15),

Product\_location varchar(15),

price number(3));

insert into myntra values(1,'Amul','Hyderabad','500');

insert into myntra values(null,'chocolate','Bangalore','50');

select \* from myntra

create table Customer1(

Id number (3) primary key,

Name varchar (20),

Location varchar (20)

);

insert into customer1 values (1,'John','Hyderabad');

insert into customer1 values (2,'James','Bangalore');

select \* from customer1

insert into customer1 values(null,'Jason','Hyderabad');

Composite primary key:-

create table Customer2(

Id number (3) ,

Name varchar (20),

Location varchar (20),

Phone\_number Number (10),

Primary key (id,name,location)

);

1jasonhyd

select \* from employees;

select \* from departments;

check constraints.

create table Customer3(

Id number (3) ,

Name varchar (20),

salary number (10),

check (salary between 10000 and 25000)

);

insert into customer3 values(1,'abc',10000);

insert into customer3 values (2,'bcd',5000);

insert into customer3 values (3,'cde',16000);

select \* from employees;

select employee\_id, first\_name, last\_name, salary,

case

when salary > 20000 then 'Grade A'

when salary > 15000 and salary < 20000 then 'Grade B'

when salary >10000 and salary <15000 then 'Grade C'

else 'Grade D'

end as "details"

from employees;

select employee\_id,first\_name,salary,

case when salary > 20000 then 'Grade A'

when salary >15000 and salary <20000 then 'Grade B'

when salary >10000 and salary <15000 then 'Grade c'

else 'Grade d'

end as "Grade"

from employees;

select \* from employees;

select employee\_id, first\_name,last\_name,salary, rank()over (order by salary desc) from employees;

select employee\_id, first\_name,last\_name,salary, dense\_rank()over (order by salary desc) from employees;

select employee\_id, first\_name,last\_name,salary, rank()over (order by salary desc),dense\_rank()over (order by salary desc) from employees;

select employee\_id, first\_name, last\_name,email,phone\_number,salary,department\_id, rownum, rowid from employees;

select \* from customer3

select id,name,salary, rownum,rowid from customer3;

create table union1(

Id number(3));

insert into union1 values (1);

insert into union1 values (2);

insert into union1 values (3);

insert into union1 values (4);

insert into union1 values (5);

insert into union1 values (6);

insert into union1 values (7);

insert into union1 values (8);

Create table union2(

id number (3));

insert into union2 values (7);

insert into union2 values (8);

insert into union2 values (9);

insert into union2 values (10);

insert into union2 values (11);

insert into union2 values (12);

select \* from union1

union

select \* from union2;

select \* from union1

union all

select \* from union2

select \* from union1

intersect

select \* from union2

select \* from union1

minus

select \* from union2

select \* from union2

minus

select\* from union1

select \* from employees;

create table Adil as select \* from employees where 1=2;

select \* from Adil;

create table Bigbazaar(

id number (3),

name varchar (15),

location varchar (15)

);

insert into bigbazaar values (1,'john','Hyderabad');

insert into bigbazaar values (2,'jacob','bangalore');

insert into bigbazaar values (6,'chris','chennai');

insert into bigbazaar values (3,'james','mumbai');

insert into bigbazaar values (4,'adil','Hyderabad');

insert into bigbazaar values (5,'gary','Hyderabad');

insert into bigbazaar values (7,'butler','Hyderabad');

Create table Bigbazaar1(

id number (3),

name varchar (15)

);

insert into bigbazaar1 values (1,'john');

insert into bigbazaar1 values (2,'jacob');

insert into bigbazaar1 values (10,'jordan');

insert into bigbazaar1 values (11,'morkel');

insert into bigbazaar1 values (12,'pattinson');

insert into bigbazaar1 values (13,'warner');

insert into bigbazaar1 values (14,'williamson');

select id, name from bigbazaar

union

select id, name from bigbazaar1;

select id, name from bigbazaar

union all

select id, name from bigbazaar1;

select id, name from bigbazaar

intersect

select id, name from bigbazaar1;

select id, name from bigbazaar

minus

select id, name from bigbazaar1;

select id, name from bigbazaar1

minus

select id, name from bigbazaar;

select \* from employees;

select \* from departments

select employees.employee\_id, employees.first\_name, employees.last\_name, employees.salary, employees.manager\_id, departments.department\_id, departments.department\_name

from employees,departments

where employees.department\_id = departments.department\_id;

select \* from employees, departments;

select \* from employees;

select e.employee\_id, e.first\_name employee, m.first\_name manager

from employees e, employees m

where e.manager\_id=m.employee\_id;

select e.employee\_id, e.first\_name employee\_details, m.first\_name manager\_details

from employees e, employees m

where e.manager\_id=m.employee\_id;

select \* from departments

select \* from employees

select e.employee\_id, e.first\_name, e.salary, d.department\_id, d.department\_name

from employees e left outer join departments d

on e.department\_id = d.department\_id;

select e.employee\_id, e.first\_name, e.salary, d.department\_id, d.department\_name

from employees e right outer join departments d

on e.department\_id = d.department\_id;