

1)create a table

```
create table stddetails(  
  student_name VARCHAR(10),  
  student_id  NUMBER(10),  
  student_gender VARCHAR(10),  
  student_no NUMBER(10),  
  student_age NUMBER(10)  
);
```

2)insert

```
desc stddetails  
insert into stddetails values('suniith','101','male','03','18');  
insert into stddetails values('pavan','105','male','33','18');  
insert into stddetails values('varun','104','male','32','19');  
insert into stddetails values('bala','103','male','15','19');  
select*from stddetails;
```

3)selection and projection

```
select student_name  
from stddetails  
where student_age='18';
```

4)alias

```
select student_name as name  
from stddetails;
```

5)arithmetic operations

```
select student_age,  
       student_age+1  
from stddetails;
```

6)order by

```
select student_name,student_age  
from stddetails  
order by student_age;
```

7)concatenate

```
select student_name||' '||student_id  
from stddetails;
```

8)distinct

```
select distinct student_name  
from stddetails;
```

9)comparision operater

```
select Student_name  
from stddetails  
where student_id>='101';
```

10)AND operator

```
select student_name  
from stddetails  
where student_age>=19 and student_id>=102;
```

11)OR operator

```
select student_name,student_gender  
from stddetails  
where student_age<16 or student_id>103;
```

12) IN operator

```
select rpad('varun',10,,  
from stddetails  
where studentd_id in(104);
```

13) NOT

```
select student_name,student_gender  
from stddetails  
where student_age not in(19);
```

14)MAX

```
select MAX(student_age)
from stddetails
where student_gender='male';|
```

15)MIN

```
select MIN(student_id)
from stddetails
where student_gender='male';
```

16)between operator

```
select student_name
from stddetails
where student_id between 103 and 105;
```

17)like operator

```
from stddetails
where student_name like 's%';
```

18)is null

```
select student_name
from stddetails
where student_id is null;
```

19)is not null

```
select student_name,student_gender
from stddetails
where student_gender is not null;
```

20)substitution variable

```
select *
from stddetails
where student_name= :student;
```

21)substitution value

```
select *  
from stddetails  
where student_id= :student;
```

22)concat funtion

```
select concat(student_name,student_id)  
from stddetails;
```

23)substring

```
select substr('student_name',1,7)  
from stddetails;
```

24)length

```
select length('varun')  
from stddetails;
```

25)position of a character

```
select instr('varun','r')  
from stddetails;
```

26)lpad

```
select lpad('varun',15,'*')  
from stddetails  
where student_id in(104);
```

27)null

```
select names,nvl(reg_no,0) as "reg_no"  
from frnds;
```

28)group by

```
select student_name,count(*) as count  
from stddetails  
group by student_name;
```

29)having

```
SELECT student_id  
FROM stddetails  
GROUP BY student_id  
HAVING COUNT(*)>=1  
ORDER BY student_id;
```

30)count

```
select count(student_no)  
from stddetails;
```

31)group by

```
select student_name,count(*) as count  
from stddetails  
group by student_name;
```

32)having

```
select student_name,count(*) as count  
from stddetails  
group by student_name;
```

33)inner join

```
select employees.name,departmentss.departmentname  
from employees inner join departmentss on employees.departmentid=departmentss.departmentid;
```

34)left join

```
select employees.name,departmentss.departmentname  
from employees  
left join departmentss on employees.departmentid=departmentss.departmentid;
```

35)right join

```
select employees.name,departmentss.departmentname  
from employees  
right join departmentss on employees.departmentid=departmentss.departmentid;
```

36)full join

```
select employees.name,departmentss.departmentname,employees.hiredate
from employees
Full join departmentss on employees.departmentid=departmentss.departmentid;
```

37)cross join

```
select employees.name,departmentss.departmentname
from employees
cross join departmentss;
```

38)trim

```
select trim(leading 'n' from 'varun')
from stdetails;
```

39)delete

```
delete from employee
where email is null;
```

40)alter

```
alter table employee add email varchar(20);
```

41)subquery

```
select lastname,salary
from employee
where firstname=
(select firstname
from employee
where firstname like 'B' );
```

42)union set

```
select employeeid
from employees
union
select departmentid
from departmentss;
```

43)intersect

```
select departmentid
from employeess
intersect
select departmentid
from departmentss;
```

44)union all

```
select employeeid
from employeess
union all
select departmentid
from departmentss;
```

45)minus

```
select departmentid
from employeess
minus
select departmentid
from departmentss;
```

46)extract

```
select extract(year from hiredate)
from employeess;
```

47)update

```
update copy_emp
set name='sai'
where name is null;
```

48)set

```
update copy_emp
set name='sai'
where name is null;
```

49)describe

```
desc copy_employeess
```

50)copy

```
create table copy_employeess  
as (select * from employeess);
```