**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('sunihith','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)arthemetic 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 student_name,student_gender
from stddetails
where student_age<16 or student_id>103;
```

**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**

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

**30)count**

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

**31)group by**

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

**32)having**

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

**33)inner join**

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

**34)left join**

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

**35)right join**

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

**36)full join**

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

**37)cross join**

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

**38)trim**

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

**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 employeess
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);
```