

### 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('srikanth','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 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

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

### 34)left join

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

### 35)right join

```
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);
```