

```
create database collage;

use collage;

select* from emp where city='agra' or grade='A';

select* from emp where city='agra' and grade='A';

select* from emp where city='agra' and grade='C';

select* from emp where not city='agra' and grade='B';

select* from emp where not city='agra' and not grade='B' 'A';

select* from emp where not city='agra' and not grade='A';

select * from emp;

select* from emp where  city IN('agra','noida');

select* from emp where  city IN('delhi');

select* from emp where name like 'n%';

select* from emp where name like 'a%';

select* from emp where name like 'j%';

select* from emp where name like 'n%t';

select * from emp where salary between 50000 and 65000;

select * from emp where salary not between 50000 and 65000;

select * from emp order by salary desc;

select distinct city from emp;

select distinct grade from emp order by grade desc;

select distinct salary from emp order by salary desc;

select distinct city from emp order by city asc;

select * from emp;

insert into emp values

(201,'kajju','noida',null,null),

(202,'kajju','noida',null,'D'),
```

```
(202,'kajju',null,52000,null);

select * from emp where city is not null;

select * from emp where city is null;

select * from emp where grade is null;

select * from emp limit 5;

select * from emp order by grade asc limit 8;

select * from emp order by grade desc limit 8;

select * from emp order by salary desc limit 10;

select * from emp order by salary asc limit 10;

select * from emp order by salary asc limit 5;

select * from emp where salary < 50000 limit 8;

select * from emp where salary > 50000 limit 5;

select * from emp limit 5 offset 0;

select * from emp limit 5 offset 2;

select count(salary) from emp where salary >5000;

select count(grade) from emp where grade = 'A';

select sum(salary) from emp;

select sum(salary) from emp where salary >65000;

select avg(salary) from emp;

select avg(salary) from emp where salary >65000;

select avg(salary) as 'Avarage_Value' from emp where salary <65000;

update emp set name = 'moni1' where empid =204;

insert into emp values(202,'aditya','noida',null,null);

delete from emp where empid in (205,204);

insert into emp (name,city,salary,grade) values ('aman2',"Agra",66400,'C');

commit;
```

```
update emp set salary =86214 where empid=101;

rollback;

select * from cities;

# drop table student;

#drop table cities;

create table student( id int not null unique auto_increment,name varchar(100) not null,
email varchar(100) not null unique, city_id int null, primary key(id),foreign key(city_id)
references cities(cid));

select * from student;

insert into student(name,email) values('B','devA@gmail.com');

select * from student inner join cities on student.city_id=cities.cid;

select * from student left join cities on student.city_id=cities.cid;

select * from student right join cities on student.city_id=cities.cid;

update cities set name = 'noida' where cid =2;

update cities set name = 'agra' where cid =3;

update cities set name = 'delhi' where cid =4;

update cities set name = 'noida' where cid =5;

select * from student cross join cities;

select * from student cross join emp;

select * from cities cross join student;

select * from cities;

select * from student inner join cities on student.city_id=cities.cid;

select name from student where (select id from cities where name='agra');

select cid from cities where name='agra';

select name from student where exists (select id from cities where name='agra');

select name from student where not exists (select id from cities where name='agra');

select city,count(city) from emp group by (city);
```

```
select name,count(name) from emp group by (name);
```

```
select grade,count(grade) from emp group by (grade);
```

```
select cid, cities.name,count(cid) as total from student inner join cities on student.city_id  
= cities.cid group by (cid);
```

```
select cid, cities.name,count(cid) as total from student inner join cities on student.city_id  
= cities.cid group by (cid) having count(cid) >=2;
```

```
select cid, cities.name,count(cid) as total from student inner join cities on student.city_id  
= cities.cid group by (cid) having count(cid) <users=1;
```