

```
SELECT * FROM dbstudent.teacherinfo;
```

```
SELECT * FROM dbstudent.teacherinfo;
```

```
/* query to find out min age */
```

```
select min(age) from dbstudent.teacherinfo;
```

```
/* query to find out maximum age */
```

```
select max(age) from dbstudent.teacherinfo;
```

```
/* query for count function to return the number of rows */
```

```
select count(age) from dbstudent.teacherinfo;
```

```
/*query to return average of a numeric value */
```

```
select avg(age) from dbstudent.teacherinfo;
```

```
/* query to return the sum of the numeric value */
```

```
select sum(age) from dbstudent.teacherinfo;
```

```
/* this is distinct */
```

```
select distinct name , address from teacherinfo ;
```

```
/* count * this will return the number of records available*/
```

```
select count( *) from teacherinfo;
```

```
SELECT * FROM dbstudent.teacherinfo;
```

```
/* query to select the the value in between 20 to 50 in age group */
```

```
SELECT age from dbstudent.teacherinfo
```

```
where age BETWEEN 20 AND 50;
```

/* select the teacher records whose age is greater than 30*/

```
select DISTINCT * from dbstudent.teacherinfo where  
age > 30;
```

/* optimize the above query and provide a result there should not be any null values available */

```
select DISTINCT * from dbstudent.teacherinfo where  
age > 30  
or  
age is NOT NULL;
```

/* write a query to find the average salary */

```
select avg(salary) from dbstudent.teacherinfo;
```

/*sort the result of teacher by age in ascending order */

```
select * from dbstudent.teacherinfo  
ORDER BY age ASC ;
```

/* sort the result in descending order */

```
select * from dbstudent.teacherinfo  
ORDER BY AGE desc ;
```

/* find the record top 2 who are recently added */

```
select * from dbstudent.teacherinfo  
limit 2 ;
```

/* delete the record from table where age is 28 */

```
delete from dbstudent.teacherinfo  
where age =29;
```

/* count the rows in the table */

```
select COUNT(*) from dbstudent.teacherinfo;
```

/* provide all the unique records from the table */

select distinct * from dbstudent.teacherinfo;

/*alter table and add a field called as department */

alter table dbstudent.teacherinfo

ADD DEPARTMENT varchar(255);

/*group by department and provide a count */

select department, COUNT(*) as num_teacher

from dbstudent.teacherinfo

group by department ;

/* alter table and add a value as female or male */

Alter table dbstudent.teacherinfo

add gender varchar(45);

/* provide a count of how many female and male teacher are there group by gender */

select gender ,COUNT(*) as num_gender

from dbstudent.teacherinfo

group by gender ;

/* select the department whose count is more then 2 */

select department , COUNT(*) as num_dept

from dbstudent.teacherinfo

group by department

having COUNT(*) > 1;

/* update the salary of employee in cse to 8000 */

UPDATE dbstudent.teacherinfo

```
SET salary =9000  
WHERE department ='CSE';
```

```
UPDATE dbstudent.teacherinfo  
SET salary = 9000  
WHERE department = 'CSE';
```

```
SET SQL_SAFE_UPDATES = 0;
```

```
UPDATE dbstudent.teacherinfo  
SET salary = 9000  
WHERE department = 'CSE';
```

```
select * from dbstudent.teacherinfo;
```

```
/* retrieve name and tid from the teacher column */
```

```
select TID , name from dbstudent.teacherinfo;
```

```
/*retrieve all the records where department is cse */
```

```
select * from dbstudent.teacherinfo  
where department ='cse';
```

```
/* count the number of employees */
```

```
SELECT COUNT(*) from dbstudent.teacherinfo;
```

```
/* retrieve the highest salary from table */
```

```
select max(salary) as high_salary  
from dbstudent.teacherinfo;
```

```
/* select the min salary from the table*/
```

```
select min(salary) as low_salary
```

from dbstudent.teacherinfo;

/* write a query to showcase the name and minimum salary */

select name , salary from dbstudent.teacherinfo
where salary=(select min(salary) from dbstudent.teacherinfo);

/* update henna salary to 3000 */

SET SQL_SAFE_UPDATES = 0;

Update dbstudent.teacherinfo

SET salary=3000

where name ='henna';

/* showcase the name of the teacher whose salary is less then 10,000 */

select name , salary from dbstudent.teacherinfo
where salary < 10000;

/* showcase the name of the teacher whose salary is more then 10,000 */

select name , salary from dbstudent.teacherinfo
where salary >10000;

/* showcase the name , salary of the teacher whose salary is in between 10,000 and 50,000 */

select name , salary from dbstudent.teacherinfo
where salary between 10000 and 50000;

/* retrieve the name of the employe who is paid the highest retrieve 2 name */

select name , salary from dbstudent.teacherinfo
ORDER BY salary DESC
limit 2;

/* retrieve the record of the emp who is paid the lowest retrieve the two records */

```
select name , salary from dbstudent.teacherinfo  
ORDER BY salary ASC  
limit 2;
```

```
/* selecet the second largest salary from the table */
```

```
select name , salary from dbstudent.teacherinfo  
order by salary desc  
limit 1 offset 1 ;
```

```
select * from dbstudent.teacherinfo;
```

