

**DML commands: Select data with WHERE, GROUP BY, HAVING, ORDER BY and LIMIT clause.**

USE *student\_phone, student\_address, faculty\_phone, faculty\_address, batch\_students, course\_batches, student\_qualifications, faculty\_qualifications, course\_modules, modules, faculty, student, course, student\_cards, and student\_order* relation to solve the following queries.

1. List all student.
<b>select * from student;</b>
2. List namefirst, namelast of all student.
<b>select namefirst, namelast from student;</b>
3. Display student information of the student whose student <i>ID</i> is 10.
<b>select * from student where id=10;</b>
4. List of various faculties available from faculty table.
<b>select * from faculty;</b>
5. List all student having 'A' as second letter in their namefirst.
<b>select * from student where namefirst like '_a%';</b>
6. List all student having letter 'A' in their namefirst.
<b>select * from student where namefirst like '%a%';</b>
7. Display the details of the student whose DoB is '1986-12-14'.
<b>select * from student where (dob)='1986-12-14';</b>
8. List all student having 'R' as first letter in their namefirst.
<b>select * from student where namefirst like 'r%';</b>
9. Display the <i>namefirst, lastName</i> from student relation with Customized column headings.

10. Display all students in ascending order of their DOB.
<code>select * from student order by dob asc;</code>
11. Display two records of student whose name starts with the letter 'S'.
<code>select * from student where namefirst like 's%' limit 2;</code>
12. Display the student detail whose DOB is '1986-12-14'.
<code>select * from student where (dob) = '1986-12-14';</code>
13. Display all modules whose module duration is 1 (use modules table).
<code>select * from modules where duration=1;</code>
14. Display all batches whose sitting capacity is 80 students (use course_batches table).
<code>select * from course_batches where capacity=80;</code>
15. Display all student qualification who have done 'BE' and secured marks more than 70. (use student_qualifications table).
<code>select * from student_qualifications where name='be' and marks&gt;70;</code>
16. Display all student qualification who have done 'BE' and graduated in the year 2017. (use student_qualifications table).
<code>select * from student_qualifications where name='BE' and year='2017' ;</code>
17. 5. Display all student qualification who have done 'BE' and graduated in the year 2017 and scored marks more than 80. (use student_qualifications table).
<code>select * from student_qualifications where name='BE' and year='2017' and marks &gt;'80' ;</code>
18. 6. Display faculty qualification who have done 'BE' from 'Harvard University'(use faculty_qualifications table)

select * from faculty_qualifications where university= 'Harvard University' and name='BE';
19. 7. Display all courses whose course duration is 6 months.(use course table)
select * from course where duration=6 ;
20. 8. Display module details whose module duration is between 1 and 2, arrange the data in ascending order of module duration. (use module table)
select * from modules where duration between 1 and 2 order by duration;
21. 9. Display all student with their voting rights, if the student is below 1980 then print the message “*The student can vote” else print “The student cannot vote”.
select dob ,if(year(dob)<1980,'the student can vote','the student cannot vote')from student;
22. 10. Display all distinct universities from student_qualifications table.
select distinct university from student_qualifications;
23. Display the second highest marks scored by any student in 'BE'.
select distinct marks from student_qualifications where name='be' order by marks desc limit 1,1;
24. Display the second lowest marks scored by any student in 'BE'.
select distinct marks from student_qualifications where name='be' order by marks asc limit 1,1;
25. Display last 7 student.
select * from student order by namefirst desc limit 7;