Students:

Id -> int

Name -> String

Address -> String

* Create Table

[CREATE](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) students ( id int, name varchar(200), address varchar(200) );

* Insert Data into table

[INSERT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/insert.html) INTO students(id, name, address) [VALUES](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/miscellaneous-functions.html%23function_values)(1, "ABC", "Dhaka");

* Drop Table

[DROP](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/drop-table.html) [TABLE](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/drop-table.html) students\_v1;

* Alter Table [Add]

ALTER TABLE students ADD mobile\_number varchar(20);

* Alter Table [ Modify Column Data type]

[ALTER](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) students MODIFY mobile\_number int;

* Alter Table [DROP Column]

[ALTER](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) [TABLE](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/alter-table.html) students DROP COLUMN mobile\_number;

* Update

[UPDATE](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/update.html) students [SET](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/set.html) name = "Hasan" where id = 1;

* Delete

DELETE FROM students WHERE id = 2;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `students` WHERE id = 1;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) name FROM `students` WHERE id = 1;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) name FROM `students`;

SELECT DISTINCT address FROM students;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM students where address [LIKE](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html%23operator_like) 'D%';

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM students ORDER by id DESC;

SELECT \* FROM students ORDER by id ASC;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM students ORDER by name;

SELECT MIN(id) FROM students;

SELECT MAX(id) FROM students;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [AVG](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_avg)(id) FROM students;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [COUNT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_avg)(id) FROM students;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [SUM](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_sum)(id) FROM students;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) [SUM](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_sum)(id) as totalSum FROM students;

SELECT \* FROM `students` WHERE address in ("Noakhali", "Khulna")

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `students` WHERE id BETWEEN 4 [and](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html%23operator_and) 6;

[SELECT](https://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) s.name as studentName, t.name as teacherName from students as s INNER join teacher\_student as ts on ts.student\_id = s.id INNER join teacher as t on t.id = ts.teacher\_id;