# Database

1. CREATE DATABASE `databaseName` (CREATE DATABASE IF NOT EXISTS `databaseName`)
2. DROP DATABASE `databaseName` (DROP DATABASE IF EXISTS `databaseName`)
3. CREATE TABLE `tableName` (  
   `columnName1` dataType Constraints,

`columnName2` dataType Constraints,  
)

1. DROP TABLE `tableName`
2. ALTER TABLE `tableName` ADD `columnName` dataType Constraints
3. ALTER TABLE `tableName` DROP COLUMN ``columnName
4. ALTER TABLE `tableName` CHANGE `oldColumnName` `newColumnName` dataType Constraints
5. ALTER TABLE `tableName` ADD CONSTRAINT `constraintName` FOREIN KEY(`foreinKeyColumn`) REFERENCES `referenceTable`(`referenceTablePrimaryKey`) ON DELETE CASCADE ON UPDATE SET NULL

# Search

1. INSERT INTO `tableName` (`tableName`.`columnName1`,`tableName`.`columnName`,..) VALUES (‘’,’’,,..)
2. INSERT INTO `tableName` VALUES (‘’,’’,’’,DEFAULT,,…)
3. VALUES (), (), (), …
4. DELETE FROM `tableName`
5. DELETE FROM `tableName` WHERE condition
6. UPDATE `tableName` SET `tableName`.`columnName` = ‘new value if string’ , `tableName`.`columnName2` = value
7. UPDATE `tableName` SET `tableName`.`columnName` = ‘new value if string’ , `tableName`.`columnName2` = value WHERE condition
8. TRUNCATE TABLE `tableName`
9. SELECT `tableName`.\* FROM `tableName`
10. SELECT `tableName`.`columnName1` , `tableName`.`columnName2` FROM `tableName`
11. SELECT `tableName`.\* FROM `tableName` WHERE condition
12. Operators (arthimatic, logical , comparison)
13. WHERE `tableName`.`columnName` BETWEEN min AND max
14. WHERE `tableName`.`columnName` IN(value1,value2)
15. WHERE `tableName`.`columnName` IS || IS NOT NULL
16. COUNT , MIN , MAX , AVG , SUM , GROUP\_CONCAT => Aggregates Functions
17. GROUP BY `tableName`.`columName`
18. JOIN , LEFT JOIN , RIGHT JOIN `tableName` ON `parentTable`.`primaryKey` = `childTable`.`foreinKey`
19. SELECT DISTNICT `tableName`.`columnName` From `tableName`
20. HAVING condtion on vritural column
21. ORDER BY `tableName`.`column1` DESC | ASC , `tableName`.`column2` DESC | ASC
22. LIMIT value,offset
23. EX::

**SELECT**

`tableName`.`columnName`,

**aggregateFunction**(`tableName`.`columnName`) **AS** `newName`

**FROM** `tableName1`

**JOIN** `tableName2`

**ON** `parentTable`.`primaryKey` = `childTable`.`forienKey`

**WHERE** condtion

**GROUP BY** `columnName`

**HAVING** condtion

**ORDER BY** `columnName`

**LIMIT** value

SELECT `tableName`.`columnName` , `tableName`.`columnName2` FROM `tableName`

UNION

SELECT `tableName2`.`columnName` , `tableName2`.`columnName2` FROM `tableName2`

1. CREATE VIEW `viewName` AS (Query)  
   DROP VIEW `viewName`
2. WHERE `columnName` LIKE ‘%\_’
3. **Sub query**
4. **SELECT JOIN => join with sub query**