

1. Create Database:

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0016 seconds.)

```
CREATE DATABASE sumaiya_23303038;
```

2. CREATE TABLE:

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0141 seconds.)

```
CREATE TABLE COURSE ( c_id int PRIMARY KEY, c_name varchar(255), credit_h int, CHECK (credit_h >= 1) );
```

[Edit inline] [Edit] [Create PHP code]

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0191 seconds.)

```
CREATE TABLE STUDENT ( s_id int PRIMARY KEY, s_name varchar(255), Dept varchar(255), c_id int, FOREIGN KEY (c_id) REFERENCES COURSE(c_id) );
```

[Edit inline] [Edit] [Create PHP code]

3. Insert value:

Show query box

✓ 5 rows inserted. (Query took 0.0040 seconds.)

```
INSERT INTO `course`(`c_id`, `c_name`, `credit_h`) VALUES (101, 'CSC',4),(102, 'ENG',3),(103, 'MATH',2),(104, 'DSA',4),(105, 'FEDS',1);
```
















Show query box

✓ 5 rows inserted. (Query took 0.0049 seconds.)

```
INSERT INTO `student`(`s_id`, `s_name`, `Dept`, `c_id`) VALUES (1,'SUMAIYA','CSE',101), (2,'MAYA','CSE',102), (3,'SINTHIYA','BBA',103), (4,'TAMANNA','EEE',102), (5,'SRITI','AGRI',105);
```

[Edit inline] [Edit] [Create PHP code]

OUTPUT:

				c_id	c_name	credit_h
<input type="checkbox"/>		Edit		Copy		Delete
				101	CSC	4
<input type="checkbox"/>		Edit		Copy		Delete
				102	ENG	3
<input type="checkbox"/>		Edit		Copy		Delete
				103	MATH	2
<input type="checkbox"/>		Edit		Copy		Delete
				104	DSA	4
<input type="checkbox"/>		Edit		Copy		Delete
				105	FEDS	1

				s_id	s_name	Dept	c_id
<input type="checkbox"/>		Edit		Copy		Delete	1 SUMAIYA CSE 101
<input type="checkbox"/>		Edit		Copy		Delete	2 MAYA CSE 102
<input type="checkbox"/>		Edit		Copy		Delete	3 SINTHIYA BBA 103
<input type="checkbox"/>		Edit		Copy		Delete	4 TAMANNA EEE 102
<input type="checkbox"/>		Edit		Copy		Delete	5 SRITI AGRI 105

ALTER TABLE STATEMENT:
















1. ADD COLUMN:

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0082 seconds.)

```
ALTER TABLE student ADD age int;
```

OUTPUT:

					s_id	s_name	Dept	c_id	age
<input type="checkbox"/>		Edit		Copy		Delete	1 SUMAIYA CSE	101	NULL
<input type="checkbox"/>		Edit		Copy		Delete	2 MAYA CSE	102	NULL
<input type="checkbox"/>		Edit		Copy		Delete	3 SINTHIYA BBA	103	NULL
<input type="checkbox"/>		Edit		Copy		Delete	4 TAMANNA EEE	102	NULL
<input type="checkbox"/>		Edit		Copy		Delete	5 SRITI AGRI	105	NULL

2. DROP COLUMN:

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0189 seconds.)

```
ALTER TABLE student DROP COLUMN age;
```

OUTPUT:

		s_id	s_name	Dept	c_id
<input type="checkbox"/>	Edit Copy Delete	1	SUMAIYA	CSE	101
<input type="checkbox"/>	Edit Copy Delete	2	MAYA	CSE	102
<input type="checkbox"/>	Edit Copy Delete	3	SINTHIYA	BBA	103
<input type="checkbox"/>	Edit Copy Delete	4	TAMANNA	EEE	102
<input type="checkbox"/>	Edit Copy Delete	5	SRITI	AGRI	105

3. RENAME COLUMN:

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0055 seconds.)

```
ALTER TABLE student CHANGE Dept Department varchar(255);
```

OUTPUT:

		s_id	s_name	Department	c_id
<input type="checkbox"/>	Edit Copy Delete	1	SUMAIYA	CSE	101
<input type="checkbox"/>	Edit Copy Delete	2	MAYA	CSE	102
<input type="checkbox"/>	Edit Copy Delete	3	SINTHIYA	BBA	103
<input type="checkbox"/>	Edit Copy Delete	4	TAMANNA	EEE	102
<input type="checkbox"/>	Edit Copy Delete	5	SRITI	AGRI	105

4. Modify Datatype:

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0591 seconds.)

```
ALTER TABLE student MODIFY Department char(255);
```





















SELECT STATEMENT:

Show query box

Showing rows 0 - 4 (5 total, Query took 0.0001 seconds.)

```
SELECT * FROM `student`;
```

OUTPUT:

<div><div><div>←</div><div>T</div><div>→</div></div></div>				s_id	s_name	Department	c_id	
<input type="checkbox"/>		 Edit	 Copy	 Delete	1	SUMAIYA	CSE	101
<input type="checkbox"/>		 Edit	 Copy	 Delete	2	MAYA	CSE	102
<input type="checkbox"/>		 Edit	 Copy	 Delete	3	SINTHIYA	BBA	103
<input type="checkbox"/>		 Edit	 Copy	 Delete	4	TAMANNA	EEE	102
<input type="checkbox"/>		 Edit	 Copy	 Delete	5	SRITI	AGRI	105

1. SELECT SPECIFIC COLUMN:

Show query box

Showing rows 0 - 4 (5 total, Query took 0.0001 seconds.)

```
SELECT `s_id`, `s_name`, `c_id` FROM student;
```

☐ Profiling
 [\[Edit inline \]](#)
[\[Edit \]](#)
[\[Explain SQL \]](#)
[\[Create PHP code \]](#)

☐ Show all
 | Number of rows: 25
 | Filter rows:

Extra options

			s_id	s_name	c_id	
<input type="checkbox"/>				1	SUMAIYA	101
<input type="checkbox"/>				2	MAYA	102
<input type="checkbox"/>				3	SINTHIYA	103
<input type="checkbox"/>				4	TAMANNA	102
<input type="checkbox"/>				5	SRITI	105

2. SELECT DISTINCT STATEMENT:

Show query box

✓ Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

```
SELECT DISTINCT `Department` FROM `student`;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP]

☐ Show all | Number of rows: 25 | Filter rows

Extra options

	Department
<input type="checkbox"/> Edit Copy Delete	CSE
<input type="checkbox"/> Edit Copy Delete	BBA
<input type="checkbox"/> Edit Copy Delete	EEE
<input type="checkbox"/> Edit Copy Delete	AGRI

3. COUNT DISTINCT STATEMENT:

Your SQL query has been executed successfully.

```
SELECT COUNT(DISTINCT `Department`) FROM `student`;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Extra options

COUNT(DISTINCT `Department`)

4

4. WHERE STATEMENT:

Show query box

✓ Showing rows 0 - 0 (1 total, Query took 0.0001 seconds.)

```
SELECT * FROM `student` WHERE s_id=1;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	s_id	s_name	Department	c_id
<input type="checkbox"/> Edit Copy Delete	1	SUMAIYA	CSE	101

Show query box

✓ Showing rows 0 - 1 (2 total, Query took 0.0002 seconds.)

```
SELECT s_id,s_name FROM `student` WHERE c_id=102;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	s_id	s_name
<input type="checkbox"/> Edit Copy Delete	2	MAYA
<input type="checkbox"/> Edit Copy Delete	4	TAMANNA

5. AND OPARETOR:

Show query box

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

```
SELECT s_id,s_name FROM `student` WHERE c_id=101 AND Department='CSE';
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	s_id	s_name
<input type="checkbox"/> Edit Copy Delete	1	SUMAIYA

6. OR OPERATOR:

Show query box

Showing rows 0 - 1 (2 total, Query took 0.0002 seconds.)

```
SELECT s_id,s_name FROM `student` WHERE c_id=101 OR Department='CSE';
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	s_id	s_name
--	------	--------

7. NOT OPERATOR:

Show query box

Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT s_id,s_name,Department FROM `student` WHERE NOT c_id=102;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	s_id	s_name	Department
<input type="checkbox"/> Edit Copy Delete	1	SUMAIYA	CSE
<input type="checkbox"/> Edit Copy Delete	3	SINTHIYA	BBA
<input type="checkbox"/> Edit Copy Delete	5	SRITI	AGRI

8. ORDER BY:

Show query box

✓ Showing rows 0 - 4 (5 total, Query took 0.0001 seconds.) [s_name: MAYA... - TAMANNA...]

```
SELECT * FROM `student` ORDER BY s_name ASC;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

		s_id	s_name	1	Department	c_id
<input type="checkbox"/>	Edit	2	MAYA		CSE	102
<input type="checkbox"/>	Edit	3	SINTHIYA		BBA	103
<input type="checkbox"/>	Edit	5	SRITI		AGRI	105
<input type="checkbox"/>	Edit	1	SUMAIYA		CSE	101
<input type="checkbox"/>	Edit	4	TAMANNA		EEE	102

Show query box

✓ Showing rows 0 - 4 (5 total, Query took 0.0001 seconds.) [s_name: TAMANNA... - MAYA...]

```
SELECT * FROM `student` ORDER BY s_name DESC;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

		s_id	s_name	1	Department	c_id
<input type="checkbox"/>	Edit	4	TAMANNA		EEE	102
<input type="checkbox"/>	Edit	1	SUMAIYA		CSE	101
<input type="checkbox"/>	Edit	5	SRITI		AGRI	105
<input type="checkbox"/>	Edit	3	SINTHIYA		BBA	103
<input type="checkbox"/>	Edit	2	MAYA		CSE	102

UPDATE STATEMENT:

Show query box

✓ 1 row affected. (Query took 0.0035 seconds.)

```
UPDATE student SET Department='ENGLISH' WHERE s_id=5;
```

		s_id	s_name	Department	c_id
<input type="checkbox"/>	Edit	1	SUMAIYA	CSE	101
<input type="checkbox"/>	Edit	2	MAYA	CSE	102
<input type="checkbox"/>	Edit	3	SINTHIYA	BBA	103
<input type="checkbox"/>	Edit	4	TAMANNA	EEE	102
<input type="checkbox"/>	Edit	5	SRITI	ENGLISH	105

MAX/MIN/SUM/AVG:

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit,

✓ Showing rows 0 - 0 (1 total, Query took 0.0001 seconds.)

```
SELECT MAX(credit_h) FROM course;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

MAX(credit_h)
4

Show query box

⚠ Current selection does not contain a unique column. Grid edit,

✓ Showing rows 0 - 0 (1 total, Query took 0.0001 seconds.)

```
SELECT MIN(credit_h) FROM course;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code]

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

MIN(credit_h)
1

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, C

✓ Showing rows 0 - 0 (1 total, Query took 0.0001 seconds.)

```
SELECT SUM(credit_h) FROM course;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

SUM(credit_h)
14

Show query box

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy an

✓ Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

```
SELECT AVG(credit_h) FROM course;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

AVG(credit_h)
2.8000