

SQL COMMANDS

AUTO INCREMENT

```
CREATE TABLE Persons (  
    ID int NOT NULL AUTO_INCREMENT,  
    LastName varchar(255) NOT NULL,  
    FirstName varchar(255),  
    Age int,  
    PRIMARY KEY (ID)  
);
```

Contd...

```
INSERT INTO Persons  
(FirstName,LastName)  
VALUES ('Lars','Monsen');
```

DEFAULT

```
CREATE TABLE Persons (  
    ID int NOT NULL,  
    LastName varchar(255) NOT NULL,  
    FirstName varchar(255),  
    Age int,  
    City varchar(255) DEFAULT 'Sandnes'  
);
```

Adding and dropping Default constraint

```
ALTER TABLE Persons
```

```
ALTER City SET DEFAULT 'Sandnes';
```

```
ALTER TABLE Persons
```

```
ALTER City DROP DEFAULT;
```

Student Table

```
mysql> select * from student;
```

id	name	age
12	ghg	22
121	hgju	23
45	iuu	24

LIMIT

```
mysql> select *from student limit 2;
```

```
←+-----+-----+-----+
```

```
| id   | name  | age  |
```

```
+-----+-----+-----+
```

```
| 12   | ghg   | 22   |
```

```
| 121  | hgju  | 23   |
```

```
+-----+-----+-----+
```

```
2 rows in set (0.00 sec)
```

Using AND and NOT

```
mysql> select *from student where not age=22 and not name='hgju';  
+----+-----+-----+  
| id | name | age  |  
+----+-----+-----+  
| 45 | iuu  | 24  |  
+----+-----+-----+  
1 row in set (0.00 sec)
```


MIN

```
mysql> select min(age) from student;
```

```
+-----+
```

```
| min(age) |
```

```
+-----+
```

```
|      22 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

RENAME(AS CLAUSE)

```
mysql> select min(age) as MIN_AGE from student;
+-----+
| MIN_AGE |
+-----+
|      22 |
+-----+
1 row in set (0.00 sec)
```

COUNT

```
mysql> select count(id) from student;
+-----+
| count(id) |
+-----+
|          3 |
+-----+
1 row in set (0.00 sec)
```

LIKE(%)

```
mysql> select *from student where name like 'a%';  
Empty set (0.00 sec)
```

```
mysql> select *from student where name like '%a';  
Empty set (0.00 sec)
```

```
mysql> select *from student;
```

```
+-----+-----+-----+  
| id  | name | age  |  
+-----+-----+-----+  
| 12  | ghg  | 22   |  
| 121 | hgju | 23   |  
| 45  | iuu  | 24   |  
+-----+-----+-----+  
3 rows in set (0.00 sec)
```

```
mysql> select *from student where name like '%u';
```

```
+-----+-----+-----+  
| id  | name | age  |  
+-----+-----+-----+  
| 121 | hgju | 23   |  
| 45  | iuu  | 24   |  
+-----+-----+-----+
```

LIKE(%)

```
mysql> select *from student where name like 'g%';
```

```
+-----+-----+-----+
| id | name | age |
+-----+-----+-----+
| 12 | ghg | 22 |
+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select *from student where name like '%gj%';
```

```
+-----+-----+-----+
| id | name | age |
+-----+-----+-----+
| 121 | hgju | 23 |
+-----+-----+-----+
```

LIKE(_ AND %)

```
mysql> select *from student where name like '__j%';  
+-----+-----+-----+  
| id   | name  | age   |  
+-----+-----+-----+  
| 121  | hgju  | 23    |  
+-----+-----+-----+  
1 row in set (0.00 sec)
```

ORDER BY

```
mysql> select *from student order by name asc;
```

id	name	age
12	ghg	22
121	hgju	23
45	iuu	24

```
3 rows in set (0.00 sec)
```

```
mysql> select *from student order by name desc;
```

id	name	age
45	iuu	24
121	hgju	23
12	ghg	22

```
3 rows in set (0.01 sec)
```

GROUP_BY

```
SELECT `gender` FROM `members` ;
```

gender

Female

Female

Male

Female

Male

Male

Male

Male

GROUP BY

```
SELECT `gender` FROM `members` GROUP BY  
`gender`;
```

gender

Female

Male