**tbl\_users**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **id** | **fullname** | **email** | **address** | **password** |
| (int) | (varchar) | (varchar) | (varchar) | (varchar) |
| Not Null | Not Null | Not Null | Not Null | Not Null |
| 1 | Raj | raj@hgmail.com | Delhi | 12345 |
| ---- | ---- | ---- | ---- | ---- |
| 100 | Krishna | krishna@gmail.com | KTM | 12345 |

**CRUD**

* **Create/Insert**
* **Retrieve/Select**
* **Update/Edit**
* **Delete/Remove**

**1. Create/Insert**

**Syntax**

**INSERT INTO TABLE\_NAME (field1, field2, ..., fieldN)**

**VALUES (value1, value2, valueN)**

**Example**

INSERT INTO tbl\_users (id, fullname, email, address, password) values(1, ‘Raj Rai’, ‘raj@gmail.com’, ‘Delhi’, ‘12345’);

INSERT INTO tbl\_users(id, fullname, address, email, password) values(2, 'Raj Rai','Delhi','raj@gmail.com','12345')

INSERT INTO tbl\_users(id, fullname, address, email, password) values(3, 'Roshan Shrestha','Thimpu','roshan@gmail.com','456789')

INSERT INTO tbl\_users(id, fullname, address, email, password) values(4, 'Kiran Sharma','Lalitpur','kiran@gmail.com','753159')

INSERT INTO tbl\_users(id, fullname, address, email, password) values(5, 'Swastika Sharma','Bhaktapur','swtk@gmail.com','489156')

**Note:**

* Primary Key and Unique Key
* Foreign key/Reference Key
* Not Null
* Data Types (int, float, string, boolean etc)

**2. Retrieve/Select**

**Syntax**

**SELECT field1, field2, field3, ..., fieldN FROM TABLE\_NAME**

**Example**

**ALL Records**

Select\* from tbl\_users;

Selectid, fullname, address, email, password from tbl\_users;

Selectemail, password from tbl\_users;

Selectpassword, email from tbl\_users;

**Filter Records**

Select\* from tbl\_users where id = 1;

Select\* from tbl\_users where id <> 1;

Select\* from tbl\_users where id > 2;

Select\* from tbl\_users where id >= 5;

Select\* from tbl\_users where id < 5;

Select\* from tbl\_users where id <= 5;

Select\* from tbl\_users where id >= 1 and id <= 5;

Select\* from tbl\_users where id == 1 or id == 5;

**3. Update/Edit**

**Syntax**

UPDATE table\_name **SET** column\_name1 = new vlaue1, column\_name2 = new vlaue2, …, column\_nameN = new vlaueN where column\_name = value

**Existing Record**

INSERT INTO tbl\_users (id, fullname, email, address, password) values(1, ‘Raj Rai’, ‘raj@gmail.com’, ‘Delhi’, ‘12345’);

**Example**

UPDATE tbl\_users SET fullname =’Raj Sharma’, address = ‘Dolakha’ where id = 1

**4. Delete/Remove**

**Syntax**

DELETE FROM table\_name; //all records

DELETE FROM table\_name WHERE field\_name=value

**Example**

DELETE FROM tbl\_users WHERE id = 5