### CREATE table users and address

CREATE TABLE IF NOT EXISTS users (

id INT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

dob DATE NOT NULL,

profession VARCHAR(50) NOT NULL

);

CREATE TABLE IF NOT EXISTS address (

id INT PRIMARY KEY,

user\_id INT NOT NULL,

permanent\_address VARCHAR(50) NOT NULL,

temporary\_address VARCHAR(50) NOT NULL,

CONSTRAINT user\_fk FOREIGN KEY(user\_id) REFERENCES users(id) ON DELETE CASCADE

);

### INSERT values

INSERT INTO users VALUES

(101, 'Andrew Ran', '2015-01-02', 'Student'),

(102, 'Rain Bow', '2001-10-03', 'Data Engineer'),

(103, 'Michael Rai', '1990-10-01', 'Data Scientist'),

(104, 'Prince Wales', '1998-10-13', 'Frontend Developer'),

(105, 'Hayden Ian', '1991-11-03', 'Professor');

INSERT INTO address VALUES

(201, 101, 'Dharan', 'Kathmandu'),

(202, 102, 'Chitwan', 'Butwal'),

(203, 103, 'Lalitpur', 'Bhaktapur'),

(204, 104, 'Dharan', 'Itahari'),

(205, 105, 'Kathmandu', 'Biratnagar');

### Fetch data from the joined users and address table -- given user\_id -- given profession and permanent\_address

SELECT \* FROM users u

JOIN address a

ON u.id = a.user\_id

WHERE a.user\_id = 101

AND profession = 'Student'

AND permanent\_address = 'Dharan';

### Update table users and add column gender

ALTER TABLE users

ADD COLUMN gender VARCHAR(10) NOT NULL DEFAULT 'Male';

### Delete records from user whose age is less than 20 yrs

DELETE FROM users

WHERE date\_part('year', now()) - date\_part('year', dob) < 20;