## **Assignment 4: Twitter normalisation**

```
CREATE TABLE tweets (
    id BIGINT PRIMARY KEY,
    date DATE,
    hour TIME,
    message VARCHAR,
    favs BIGINT,
    rts BIGINT,
    lang VARCHAR,
    url VARCHAR,
    listed BIGINT,
    uname VARCHAR REFERENCES users(uname),
    location BIGINT REFERENCES locations(locationId)
);
CREATE TABLE users(
    uname VARCHAR PRIMARY KEY,
    nickname VARCHAR,
    bio VARCHAR,
    picture VARCHAR,
    followers BIGINT,
    following BIGINT);
CREATE TABLE locations(
    locationId BIGINT PRIMARY KEY,
    latitude DOUBLE PRECISION,
    longitude DOUBLE PRECISION,
    country BIGINT REFERENCES countries(countryld),
    place BIGINT REFERENCES places(placeId)
);
CREATE TABLE places(
    placeld BIGINT PRIMARY KEY,
    place VARCHAR
CREATE TABLE countries (countryld BIGINT PRIMARY KEY, country VARCHAR);
```

User					
pk_uname	nickname	bio	picture	followers	following
VARCHAR	VARCHA	VARCHA	VARCHAR	BIGINT	BIGINT

R	R		

Country	
fk_countryId	country
BIGINT	VARCHA R

Place	
fk_placeId	place
BIGINT	VARCHA R

Location				
pk_locationId	latitude	longitude	fk_country	fk_place
BIGINT	DOUBLE PRECISI ON		BIGINT	BIGINT

Tweets										
id (primary key)	date	hour	message	favs	rts	lang	url	listed		fk_loc ation
						VAR	VAR			
	DAT			BIGI	BIGI	CHA	CHA			BIGI
BIGINT	E	TIME	VARCHAR	NT	NT	R	R	BIGINT	VARCHAR	NT