Assignment 4: Twitter normalisation

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```
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(countryId),
    place BIGINT REFERENCES places(placeId)
);
CREATE TABLE places(
    placeId BIGINT PRIMARY KEY,
    place VARCHAR
);
CREATE TABLE countries ( countryId BIGINT PRIMARY KEY, country VARCHAR);
```

User

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

Country

fk_countryId	country
BIGINT	VARCHAR

Place

fk_placeId	place
BIGINT	VARCHAR

Location

pk_locationId	latitude	longitude	fk_country	fk_place
BIGINT	DOUBLE PRECISION	DOUBLE PRECISION	BIGINT	BIGINT

Tweets

id (PK)	date	hour	message	favs	rts	lang	url	listed	fk_uname	fk_location
BIGINT	DATE	TIME	VARCHAR	BIGINT	BIGINT	VARCHAR	VARCHAR	BIGINT	VARCHAR	BIGINT