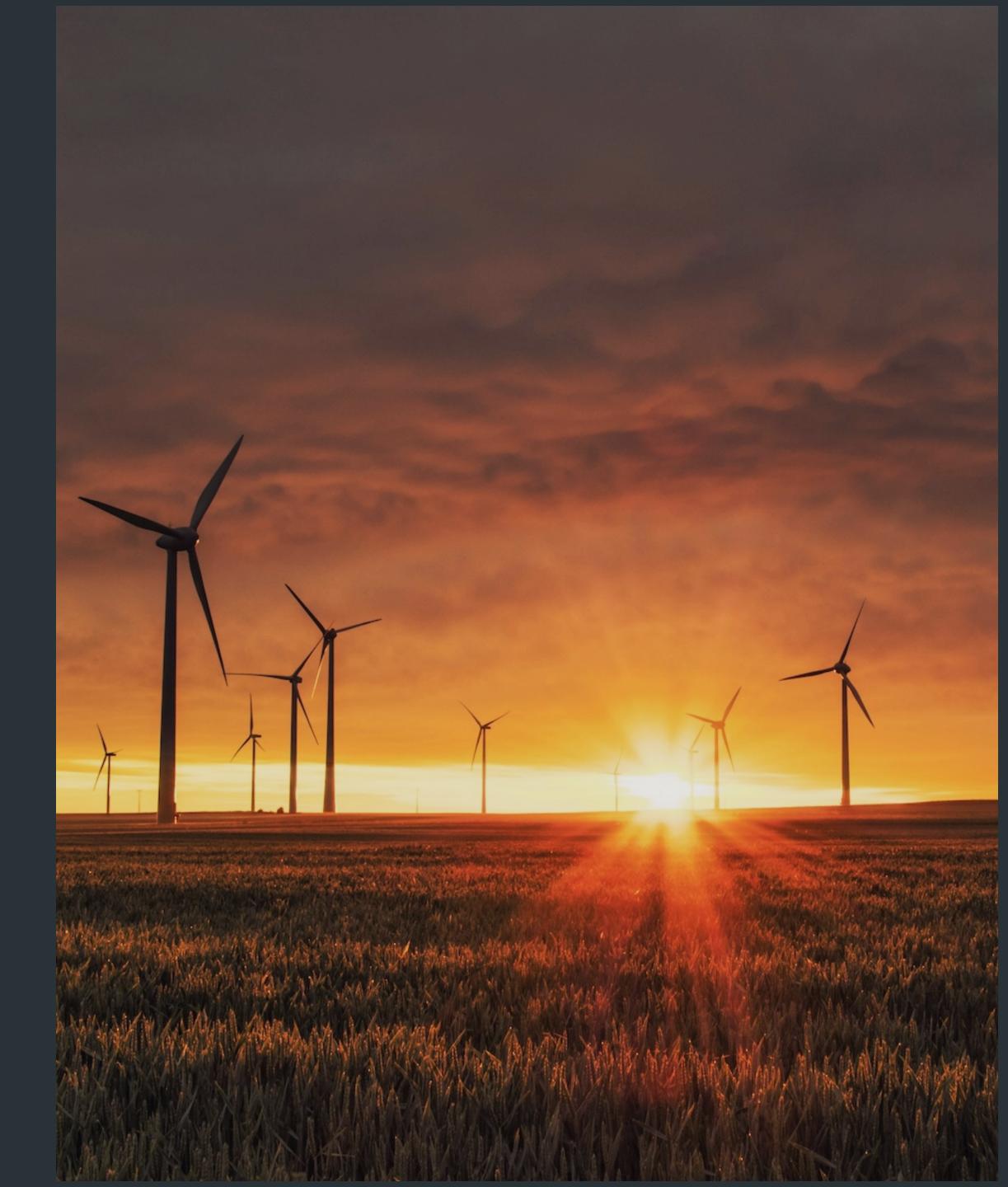
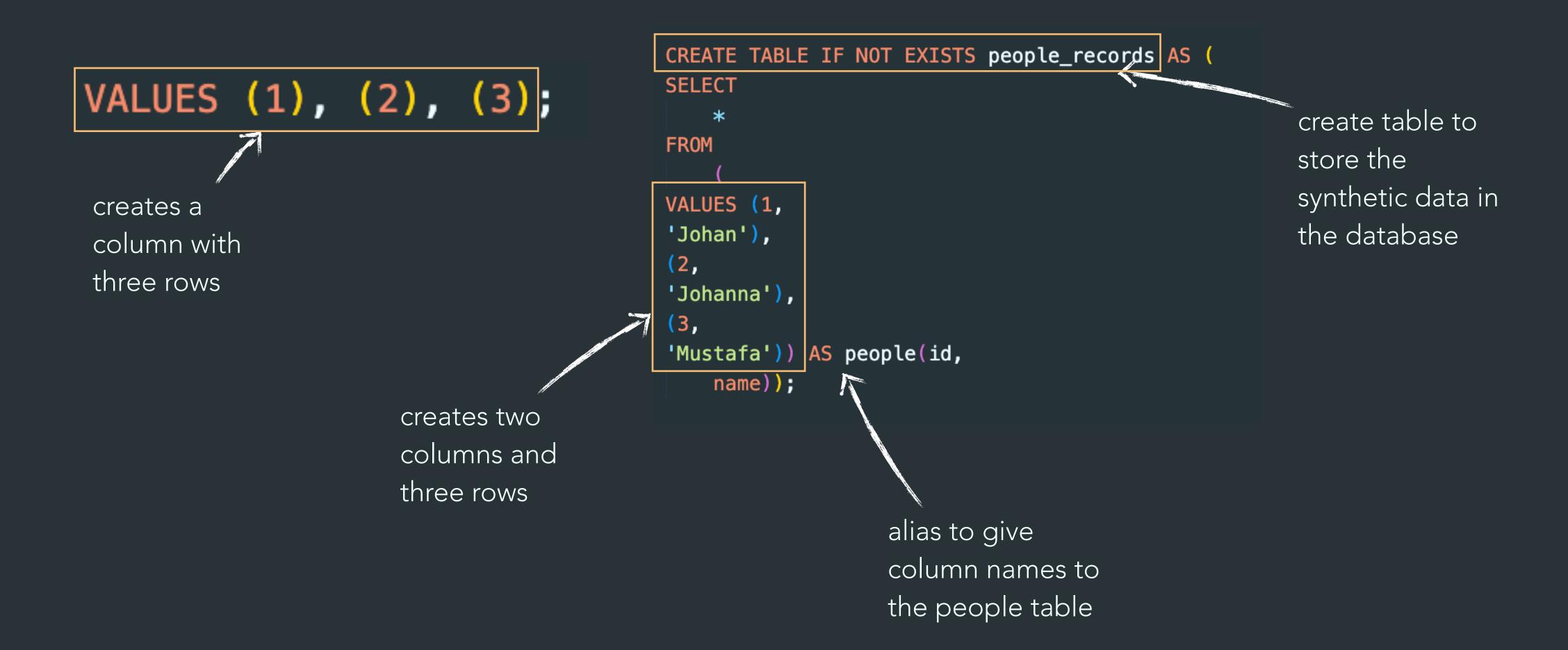
kokchun giang

sometimes you need to generate data to enhance the dataset or for testing



using VALUES clause to create set of rows



simulating data using random() function

RANDOM() gives a floating number between 0 and 1, this gives integers between 1 and 6 **SELECT** SELECT FLOOR(RANDOM()*6+1)UNNEST (generate_series(1, 100)) AS id, FROM 'student_' || AS student, generate_series(100); concatenation ROUND(RANDOM()* 100) AS score; generates 100 rows concatenates 'student_' with a number between generate random score 1 and 100 between 0 and 100

generate temporal data

```
SELECT
                                                    CREATE TABLE IF NOT EXISTS dim_date AS (
                                                    SELECT
FROM
                                                        strftime(date_series, <
   generate_series(DATE '2024-11-01',
                                                        '%Y-%m-%d') AS date,
   DATE '2024-11-30',
                                                        month(date_series) AS month,
   INTERVAL '1 day') AS t(november);
                                                        week(date_series) AS week_number,
                                                        weekday(date_series) AS day_of_week,
                                                        generate_series(DATE '2024-1-01',
                                                        DATE '2024-12-31',
generates date series
                                                        INTERVAL 1 DAY) AS t(date_series));
between first argument and
second with 1 day interval
```

date parts functions to extract parts of date to different columns

format date

with strftime