









<https://www.surveymonkey.com/r/37Q8JZR>

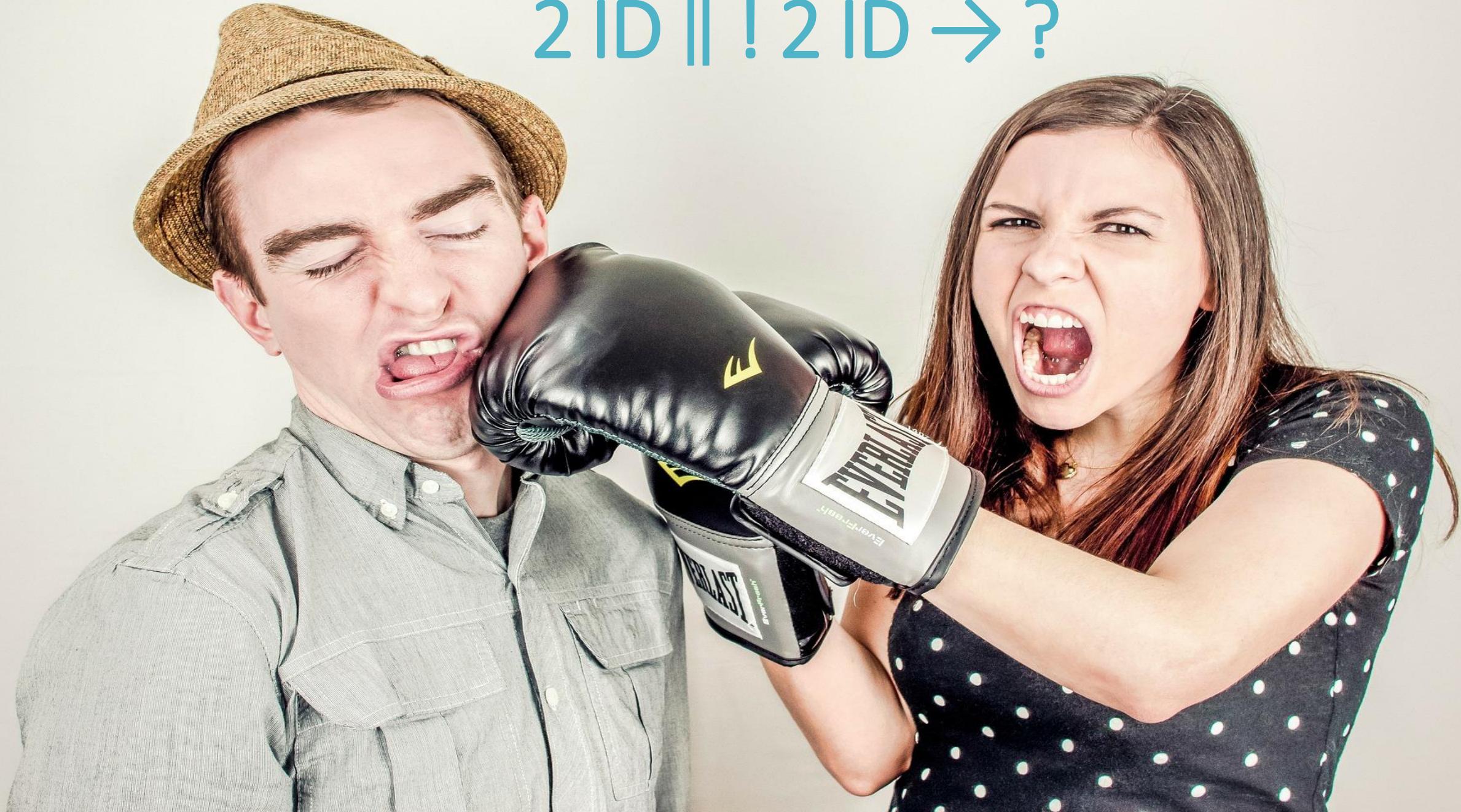


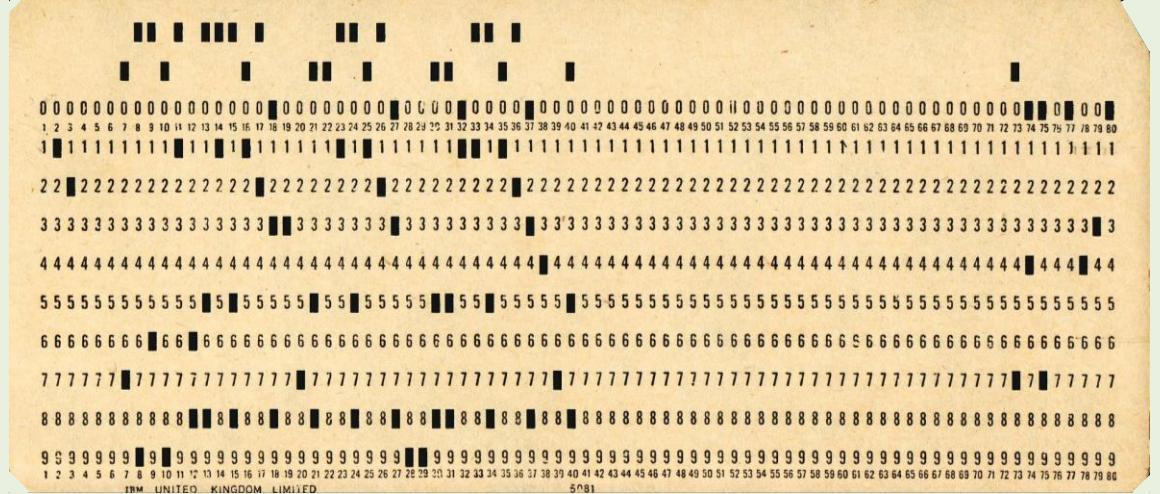
*In the relational model a primary key is a **specific choice of** a minimal set of attributes that uniquely specify a tuple in a relation (**candidate key**)*



Candidate
Primary
Alternate
Simple
Composite
Artificial / Surrogate
Intelligent
Natural

2 ID !! 2 ID → ?



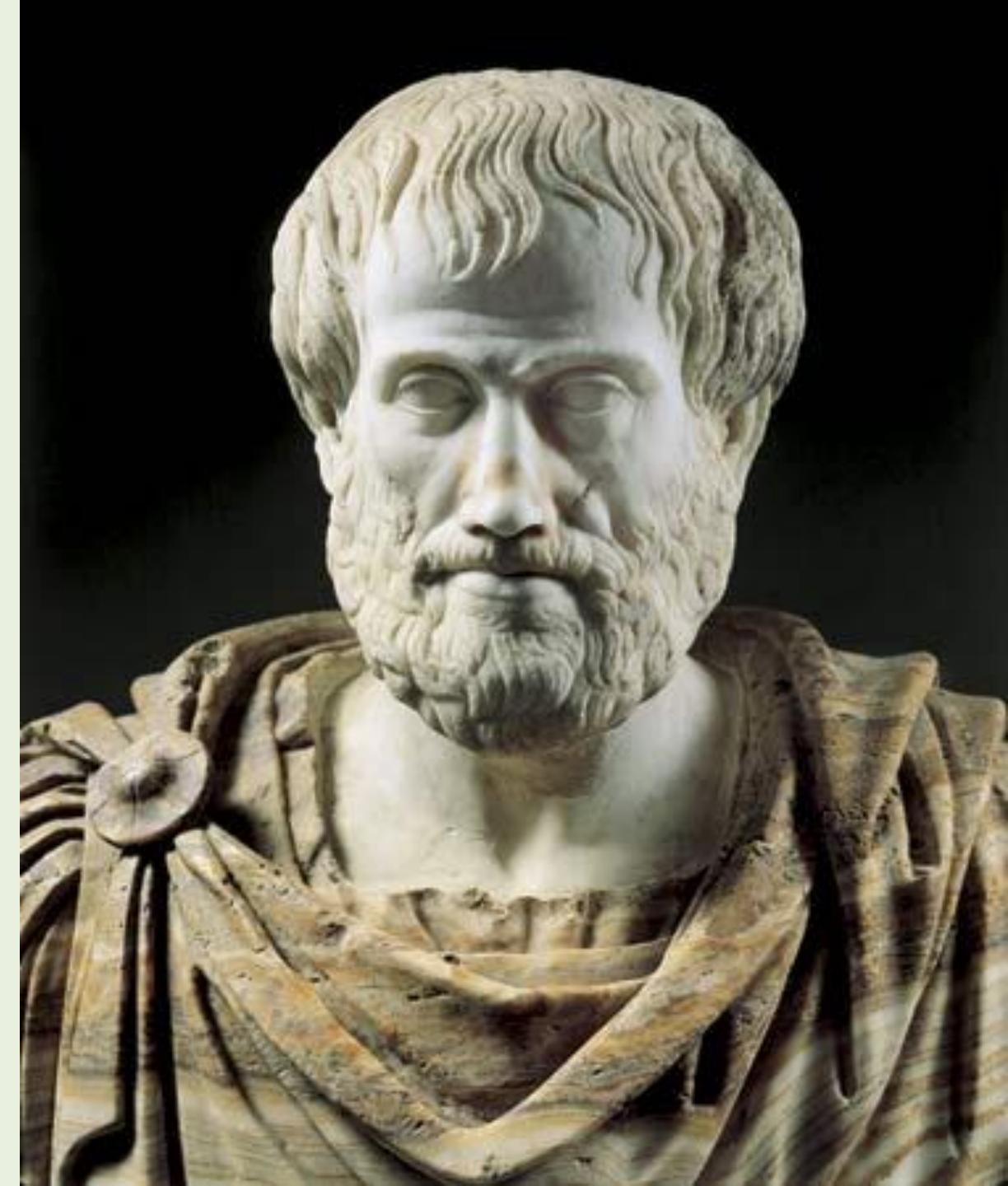




"...database users may cause the system to generate or delete a surrogate, but they have no control over its value, nor is its value ever displayed to them."

"ACM Transactions on Database Systems", Dr. E.F. Codd

No Key For You!





Surrogates Are Forever

K.I.S.S.





Speedy Gonzalez

Clustering

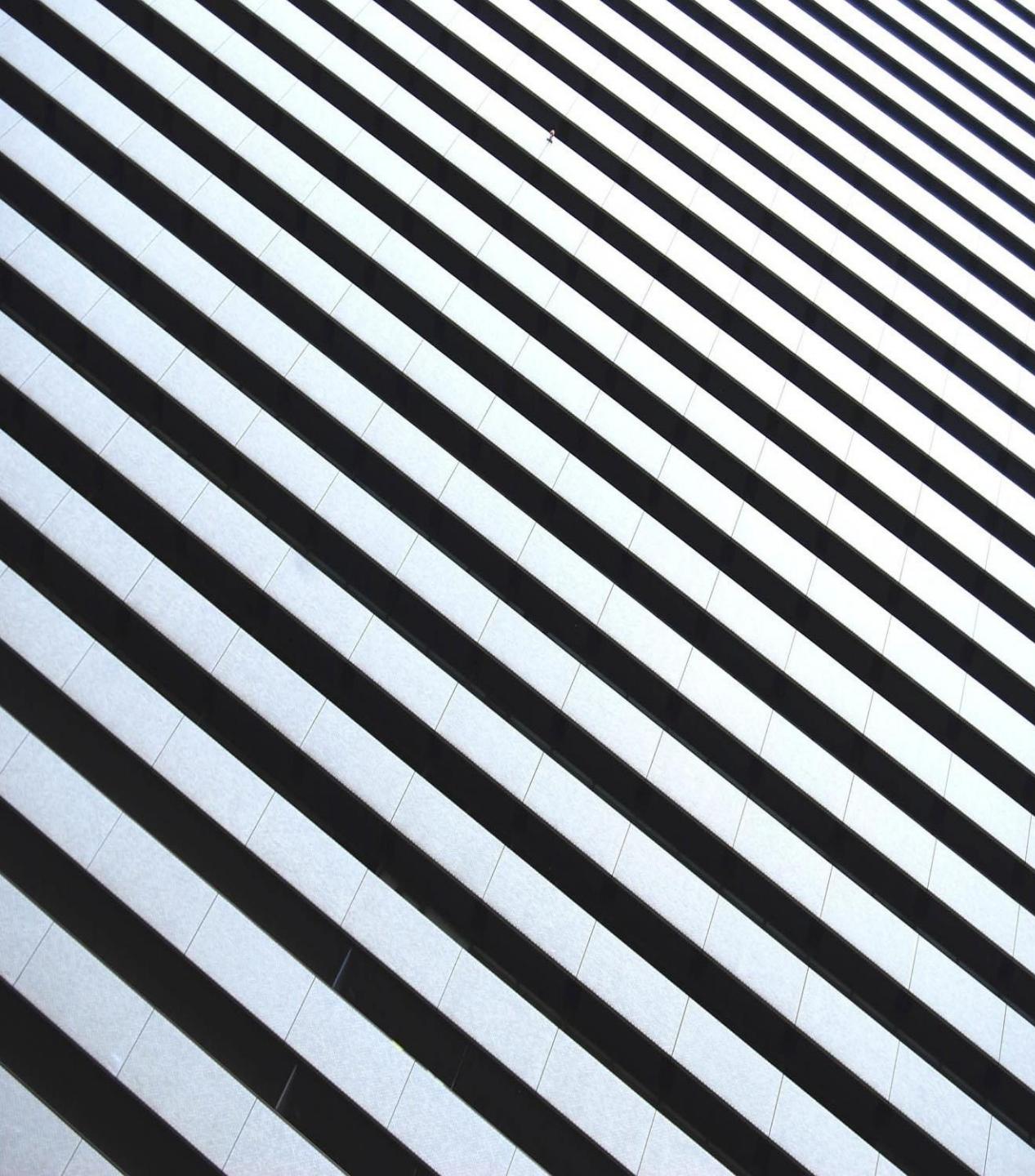


Meaning

Focus, pl. foci, focuses [foukəsiz] n. 1. Mth: Opt: etc: foyer etc.); Opt: depth of f., (i) profondeur profondeur de champ; in f., (i) (of ir au point; (ii) (of instrument) réglé; out of f., (i) (of instrument) réglé; non réglé (of headlamp bulb, etc.) mal réglé; (ii) (of motor oil, gas, water, filter, etc.) pas réglé; (iii) (of engine air intake, carburetor, etc.) réglé; (iv) (of distributor, spark plug, etc.) mal réglé.

Joins

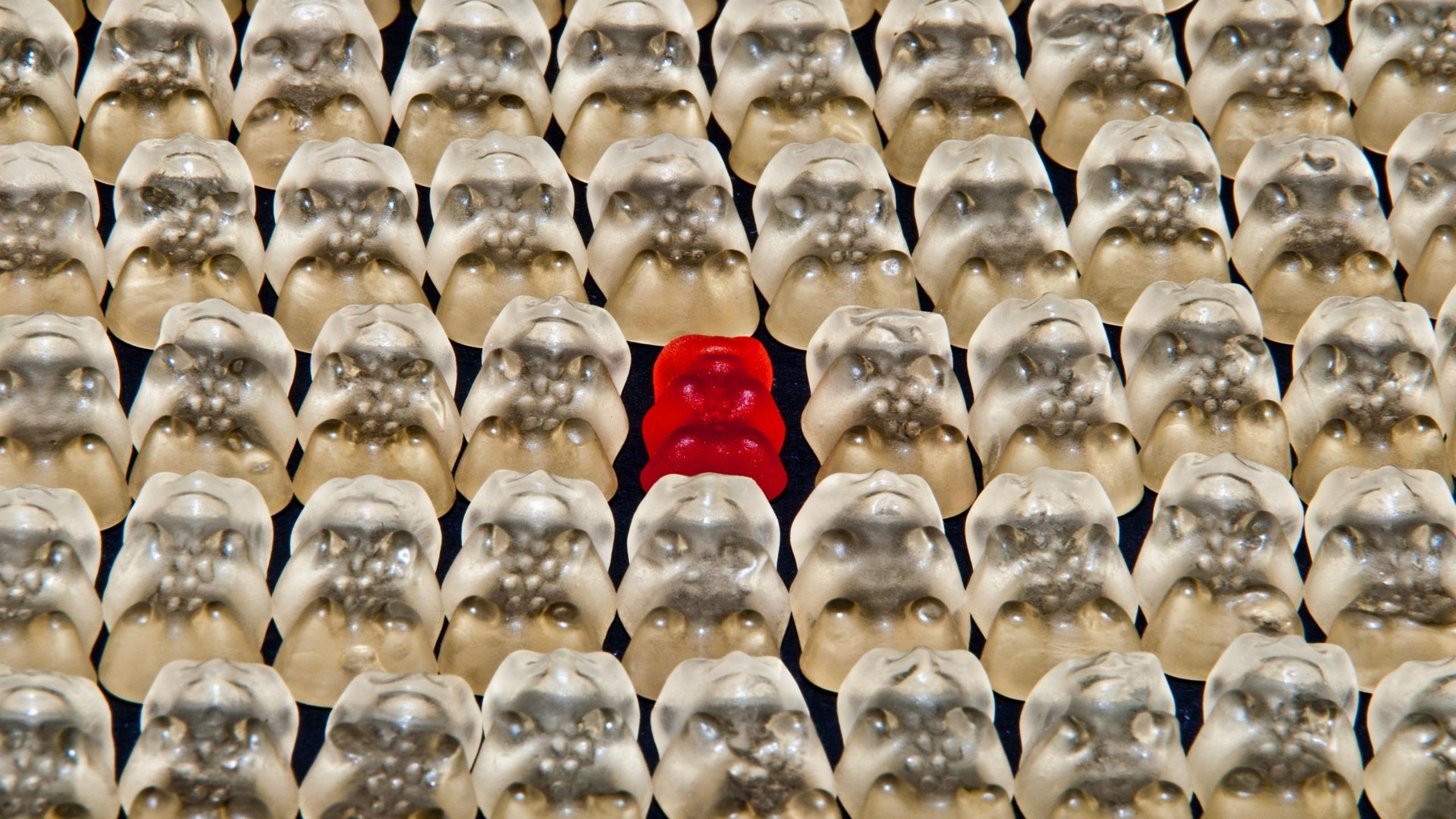


A close-up photograph of a building's facade featuring a pattern of black and white diagonal stripes. The stripes are thick and create a strong visual texture. The perspective is slightly angled, showing the depth of the stripes.

Consistency

Clustering

















My Gift

1. Pick a few tables
2. Find all candidate keys.
3. Pick the most familiar, stable, and minimal and promote to PK.
4. Adjust part of the schema.
5. Rewrite a few queries and see for yourself if it makes sense.
6. Articles by Joe Celko:
 - <https://ubm.io/32FVEUf>
 - <https://bit.ly/2XWCQ4w>





THE EMPEROR'S NEW CLOTHES

