

neo4j

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Module: NoSQL Data

Architectures

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CREATE (:Chef {name: "JOHN J GILDEN"})
WITH lastNode() AS chef
CREATE (:Recipe {name: "Cake Recipe"})
WITH lastNode() AS recipe, chef
MERGE (chef)-[:OWNS {copies: 0}]->(recipe)
SET (chef)-[:POPULARITY]->(recipe) = {popularity: 5}
RETURN chef, recipe
2) List which Cakes have both Cream and Milk in them:
MATCH (cake:Recipe)-[:CONTAINS]->(ingredient)
WHERE ingredient.name IN ["Cream", "Milk"]
RETURN cake
3) List the 5 least useful ingredients:
3) List the 5 least useful ingredients: MATCH (ingredient:Ingredient)
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MATCH (ingredient:Ingredient)
MATCH (ingredient:Ingredient) RETURN ingredient
MATCH (ingredient:Ingredient) RETURN ingredient ORDER BY ingredient.usefulness

1) Create a node for one chef and a new cake recipe for the chef:

4) Find the recipe most similar to apple scones and output a list of ingredients from other recipes in order of similarity:

MATCH (scone:Recipe {name: "Apple Scones"})-[:CONTAINS]->(ingredient)<-[:CONTAINS]-(otherRecipe:Recipe)

WHERE otherRecipe <> scone

WITH otherRecipe, COLLECT(DISTINCT ingredient.name) AS ingredients

ORDER BY SIZE(ingredients) DESC

RETURN otherRecipe.name, ingredients