2023/08/11 23:34 1/4 Cypher

Cypher

cypher relationships

A pattern matching query language made for graphs

- Declartive
- Expressive
- Pattern Matching

```
MATCH (b:Brand) WHERE NOT(b) - [] -> () RETURN b
```

CREATE

```
CREATE (j:Person {name: 'Jennifer'}) RETURN j
```

UPDATE

```
MATCH (p:Person {name: 'Jennifer'})
SET p.birthdate = date('1980-01-01')
```

RELATION

```
CREATE (j:Person {name: 'Jennifer'})-[rel:IS_FRIENDS_WITH]->(m:Person {name: 'Mark'})
```

MATCH

```
MATCH (b:Brand {name:"Chanel"}) RETURN b
```

```
MATCH (p:Person {name: 'Jennifer'}) RETURN p
```

INDEXING

```
CREATE INDEX ON :Product(productName);
CREATE INDEX ON :Product(unitPrice);
```

FILTER

```
MATCH (p:Product)
WHERE p.productName IN ['Chocolade','Chai']
RETURN p.productName, p.unitPrice;
```

CONSTRAINT

```
CREATE CONSTRAINT ON (n:<LabelName>) ASSERT n.createpropertyKey> IS UNIQUE
```

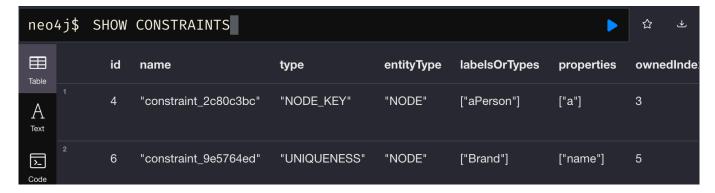
multiple column

CREATE CONSTRAINT ON (n:Person) ASSERT (n.firstname, n.surname) IS NODE KEY

SHOW CONSTRAINTS

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2023/08/11 23:34 3/4 Cypher



DELETE

MATCH (n:Person {name: 'UNKNOWN'})
DELETE n

Delete all nodes and relationships

MATCH (n)
DETACH DELETE n

Delete a node with all its relationships

MATCH (n {name: 'Andy'})
DETACH DELETE n

Docs

- Cypher Query
- Extend Cypher
- Graph Model

Plugin Backlinks:

From: https://jace.link/ - **Various Ways**

Permanent link:

https://jace.link/open/cypher

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