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Database

April 4, 2020

1: Relational algebra

A) PI type(muppets)

B) Sigma height ‘1’(muppets)

2: A picture containing screenshot

Description automatically generated

3: Queries SQL

A) SELECT type FROM muppets

B) SELECT \* FROM muppets WHERE height = ‘1’

A picture containing screenshot

Description automatically generated

A screenshot of a cell phone

Description automatically generated

**Cart:**

Algo: muppets \* types

SQL: SELECT \* FROM muppets, types;

**Nat:**

Algo: muppets NATURAL JOIN types

SQL: SELECT \* FROM muppets NATURAL JOIN types;

**Theta:**

Algo: muppets.type = types.type AND muppets.name = Kermit

SQL: SELECT \* FROM muppets JOIN types WHERE muppets.type = types.type AND muppets.name = ‘Kermit’;

**RESULTS:**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a cell phone

Description automatically generated**

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