# Getting Started With Neo4j - Supplementary Resources I Coursera

# Pseudocode to create our 'Toy' Network

========== **Five Nodes** N1 = TomN2 = HarryN3 = JulianN4 = Michele N5 = Josephine **Five Edges** e1 = Harry 'is known by' Tom e2 = Julian 'is co-worker of' Harry e3 = Michele 'is wife of' Harry e4 = Josephine 'is wife of' Tom e5 = Josephine 'is friend of' Michele =========== A simple text description of a graph N1 - e1 -> N2 N2 - e2 -> N3 2 - e3 -> N4 N1 - e4 -> N5 N4 - e5 -> N5

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## A more technical text description of a graph

N1:ToyNode - e1 -> N2:ToyNode

N2 - e2 -> N3:ToyNode

N2 - e3 -> N4:ToyNode

N1 - e4 -> N5:ToyNode

N4 - e5 -> N5

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#### Even more technical pseudo-code

N1:ToyNode - ToyRelation -> N2:ToyNode

N2 - ToyRelation -> N3:ToyNode

N2 - ToyRelation -> N4:ToyNode

N1 - ToyRelation -> N5:ToyNode

N4 - ToyRelation -> N5

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#### Pseudo-code approximating CYPHER code

N1:ToyNode {name: 'Tom'} - ToyRelation {relationship: 'knows'} -> N2:ToyNode {name: 'Harry'}

N2 - ToyRelation {relationship: 'co-worker'} -> N3:ToyNode {name: 'Julian', job: 'plumber'} N2 - ToyRelation {relationship: 'wife'}-> N4:ToyNode {name: 'Michele', job: 'accountant'}

N1 - ToyRelation {relationship: 'wife'} -> N5:ToyNode {name: 'Josephine', job: 'manager'}

N4 - ToyRelation {relationship: 'friend'} -> N5

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### The actual CYPHER code to create our 'Toy' network

create (N1:ToyNode {name: 'Tom'}) - [:ToyRelation {relationship: 'knows'}] -> (N2:ToyNode {name: 'Harry'}), (N2) - [:ToyRelation {relationship: 'co-worker'}] -> (N3:ToyNode {name: 'Julian', job: 'plumber'}),

