User Management TinkerPop Queries

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# Queries

Below queries are based on analysis from Tinkerpop console

# Setting up of graph

graph = TinkerGraph.open()  
g = graph.traversal()

# Create/Insert

**graph.addVertex(label, "employee",**

**"id", "5f956f47-9bf4-45e7-9479-20a473aed7b0",**

**"givenName", "Bob",**

**"surname", "Taylor",**

**"emailAddress", "bob.taylor@xyz.com",**

**"phoneNumber", "958564"**

**)**

**g.V().hasLabel("employee")**

**.has('id','5f956f47-9bf4-45e7-9479-20a473aed7b2')**

**.as('reportingEmployee')**

**.V().has('id','5f956f47-9bf4-45e7-9479-20a473aed7b0')**

**.addE('reportsTo').to('reportingEmployee')**

**Note** – In Above, Guid and other fields will be replaced by property names while interacting with gremlin server

The AddVertex query is for adding a vertex to graph. Second query denotes adding edge to manager vertex.

# GET

**g.V().hasLabel("employee").as('reportingEmployee').out('reportsTo')**

**.as('managerEmployee').select('reportingEmployee','managerEmployee').by(valueMap())**

**Result**

==>[reportingEmployee:[emailAddress:[Mary.Jane@xyz.com],phoneNumber:[958565],surname:[Jane],givenName:[Mary],id:[5f956f47-9bf4-45e7-9479-20a473aed7b2]],managerEmployee:[emailAddress:[bob.taylor@xyz.com],phoneNumber:[958564],surname:[Taylor],givenName:[Bob],id:[5f956f47-9bf4-45e7-9479-20a473aed7b0]]]

**Note -**

In above, result can be converted to json using Graphson in order to be working with gremlin server.

# Patch

**g.V().has("employee", "id", "5f956f47-9bf4-45e7-9479-20a473aed7b0").**

**property("givenName", "Bob").**

**property("surname", "Taylor").**

**property("emailAddress", "bob.taylor@xyz.com").**

**property("phoneNumber", "958564").iterate()**

**Note** – In Above, Guid and other fields will be replaced by property names while interacting with gremlin server

# Delete

**g.V().has("employee","id", "5f956f47-9bf4-45e7-9479-20a473aed7b0").drop()**

**Note** – In Above, Guid field will be replaced by property names while interacting with gremlin server

# Please let me know what you think

Thanks!