Cheatography

Gremlin Cheat Sheet

by Greg Finzer (GregFinzer) via cheatography.com/15280/cs/31926/

Get a Single Vertex with All Properties Listed

```
%%gremlin
g.V("98 1b6 46a -92 3f- 436 e-b b39 -59 bde e56 -
8da 3").v al ueM ap( tru e).u nf old()
```

Get Vertices by a Label

```
%%gremlin
g.V()
.hasLa bel ("Cu sto mer ")
.value Map (true)
```

Get Other Vertices by Outer Edge

```
//Get Invoices for a Customer
%%gremlin
g.V("37 128 5d7 -3d 78- 4e0 1-8 386 -87 aac 4a5 -
b9d a")
.outE( " HAS _IN VOI CE")
.proje ct( " id", " inv oic eDa te", " inv oic -
eTo tal ")
.by(ot her V().id())
.by(ot her V().va lue s("i nvo ice Dat e"))
.by(ot her V().va lue s("i nvo ice Tot al"))
.toList()
```

Get Vertices by Properties

```
//Get all customers with a Beverly Hills shipping
zip code that live in an apartment
%%gremlin
g.V()
.hasLa bel ("Cu sto mer ")
.has("S hip pin gZi p", 90210)
.has("S hip pin gAd dre ss", contai nin g("A PT"))
.value Map (true)
```

Count for a Label

```
%%gremlin
g.V()
.hasLa bel ("Cu sto mer ")
.count()
```

Add Vertex and Get The ID

```
%%gremlin
g.addV ("Cu sto mer ")
.prope rty ("Fi rst Nam e", " Luk e")
.prope rty ("La stN ame " ,"St arb uck er")
.proje ct( " id")
.by(T.id)
```

Update Vertex

```
%%gremlin
g.V("3f 3d7 d90 -8a 50- 44e 0-b 6a3 -91 00f fc1 -
c7d 5")
.prope rty (Ca rdi nal ity.si ngle, " Fir stN -
ame ", " Ham ")
.prope rty (Ca rdi nal ity.si ngle, " Las tNa me",
" Sal ad")
```

Delete Vertex

```
%%gremlin
g.V("f1 fd1 846 -5b c6- 439 5-a f86 -77 227 c50 -
019 9").d rop()
```

Get All Property Names for All Vertices

```
%%gremlin
g.V()
.prope rties()
.group Count()
.by(key())
.unfold()
```

Get All Labels

```
%%gremlin
g.V()
.group Count()
.by(la bel())
.unfold()
```



By **Greg Finzer** (GregFinzer)
cheatography.com/gregfinzer/
github.com/GregFinzer/

Published 29th April, 2022.
Last updated 29th April, 2022.

Sponsored by **Readable.com**
Measure your website readability!
https://readable.com