Exercise 2: Play with Graph Database

Goal

Be Familiar with OrientDB UI

-
- Execute Query
- Graph Viewer

ToDo

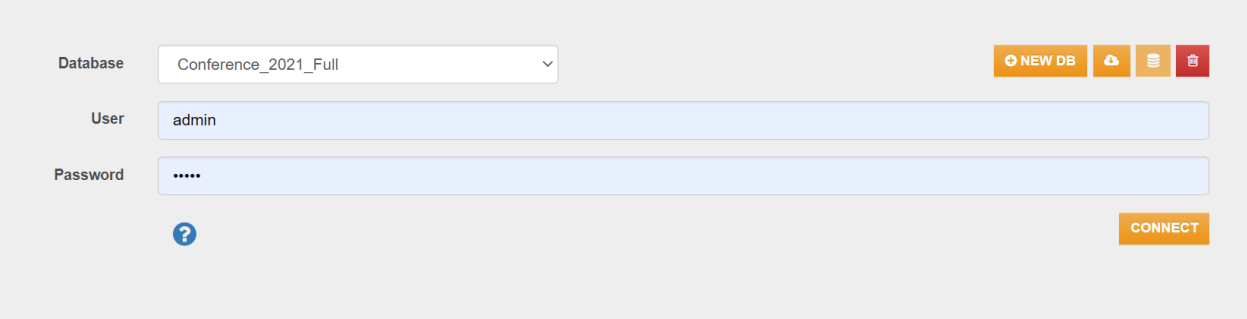
1. Log in

Open http://localhost:2480/ with Chrome Bowser

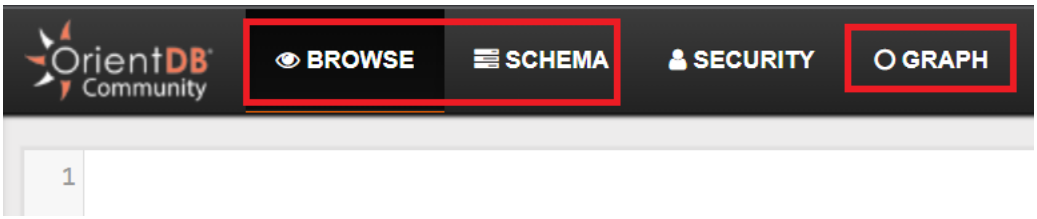
User: admin

Password: 2EPlex2021

Click 'Connect'



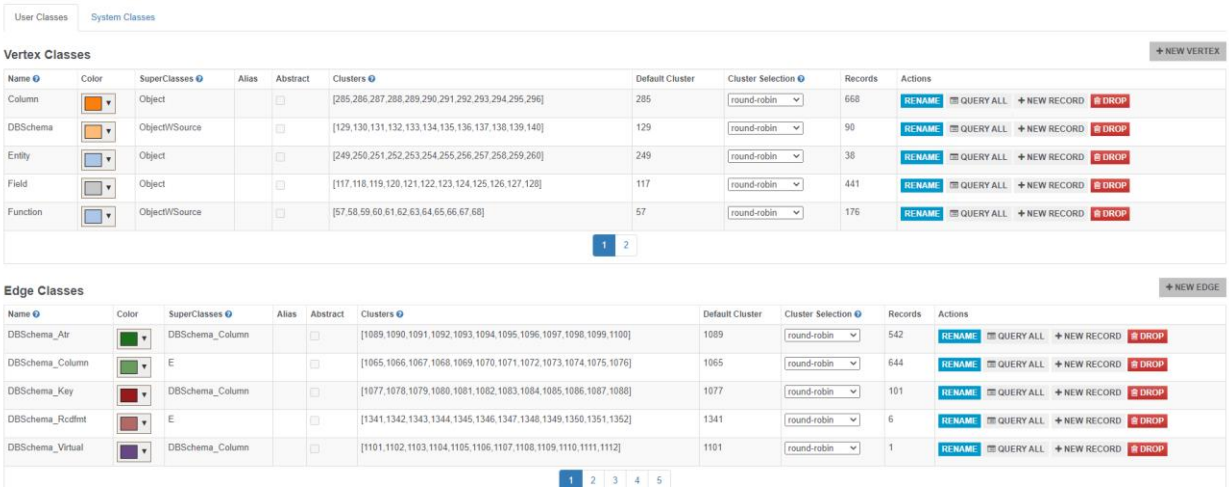
2. Navigate OrientDB UI



2.1 SCHEMA Tab

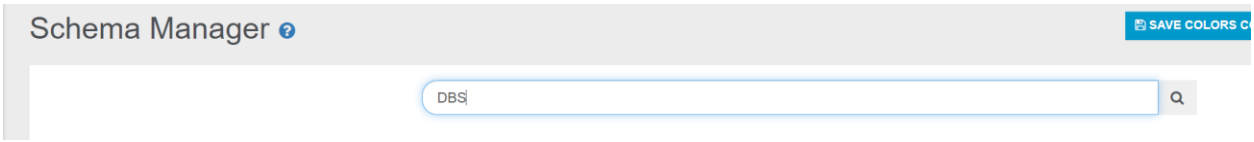
Click SCHEMA tab

You see List of Node (Vertex) and Edge defined

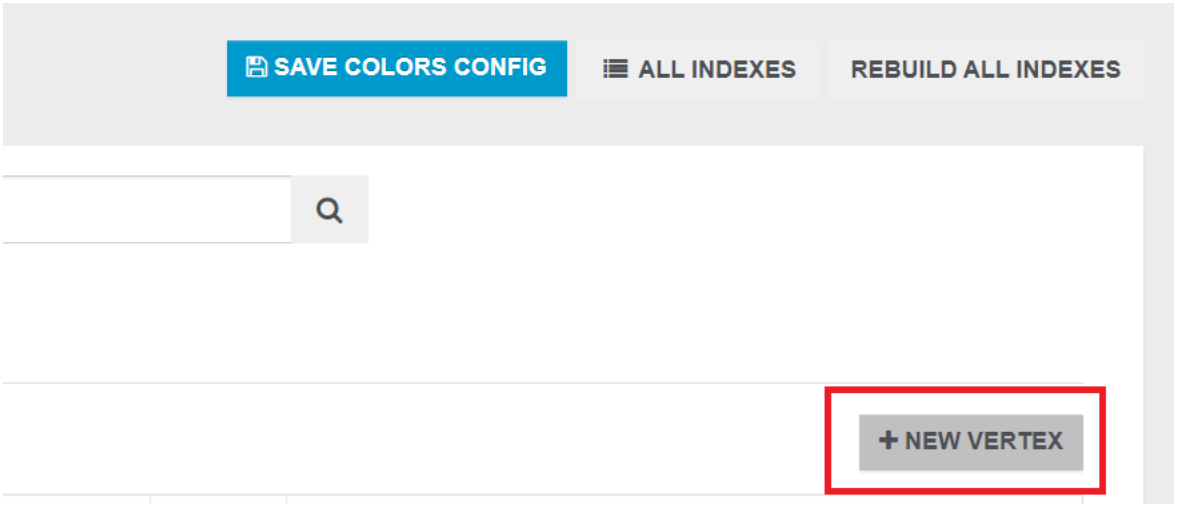


Filter Schema

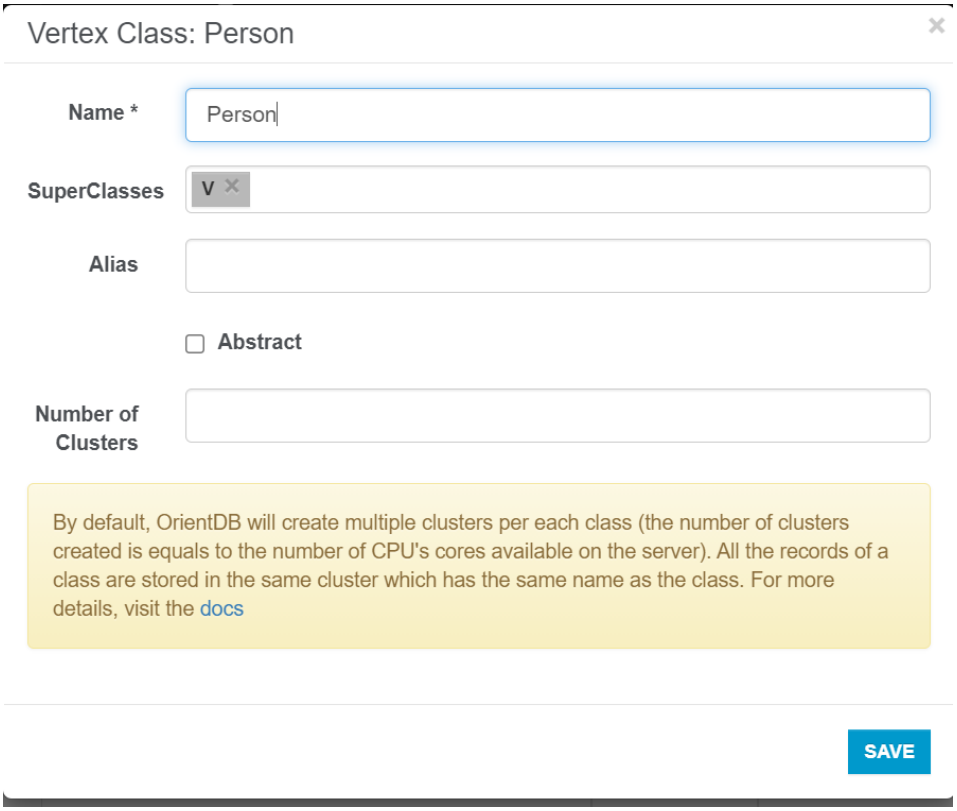
Type ‘DBS’, it lists only contains ‘DBS’ as a part of name



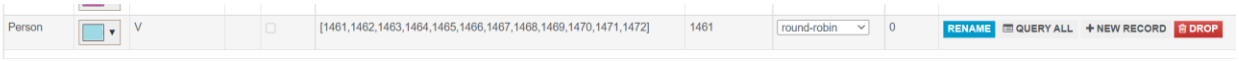
Create Vertex



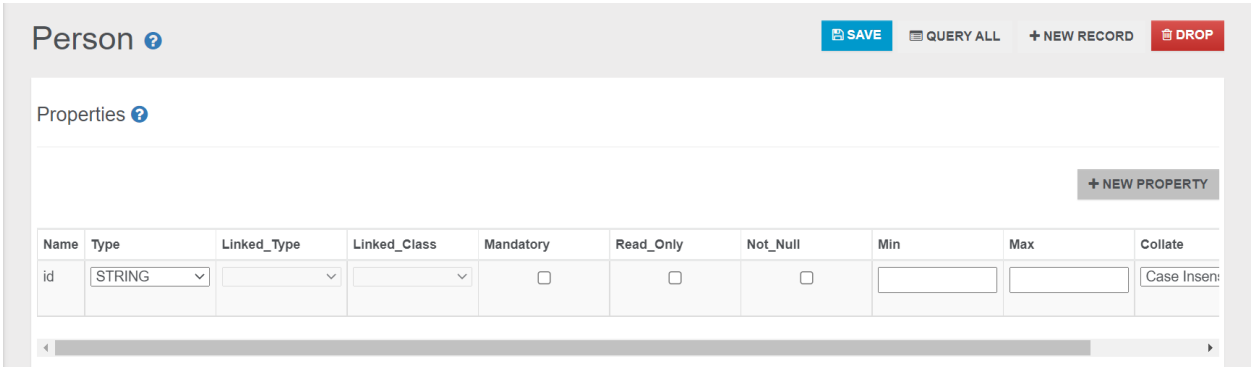
Add new Vertex Person



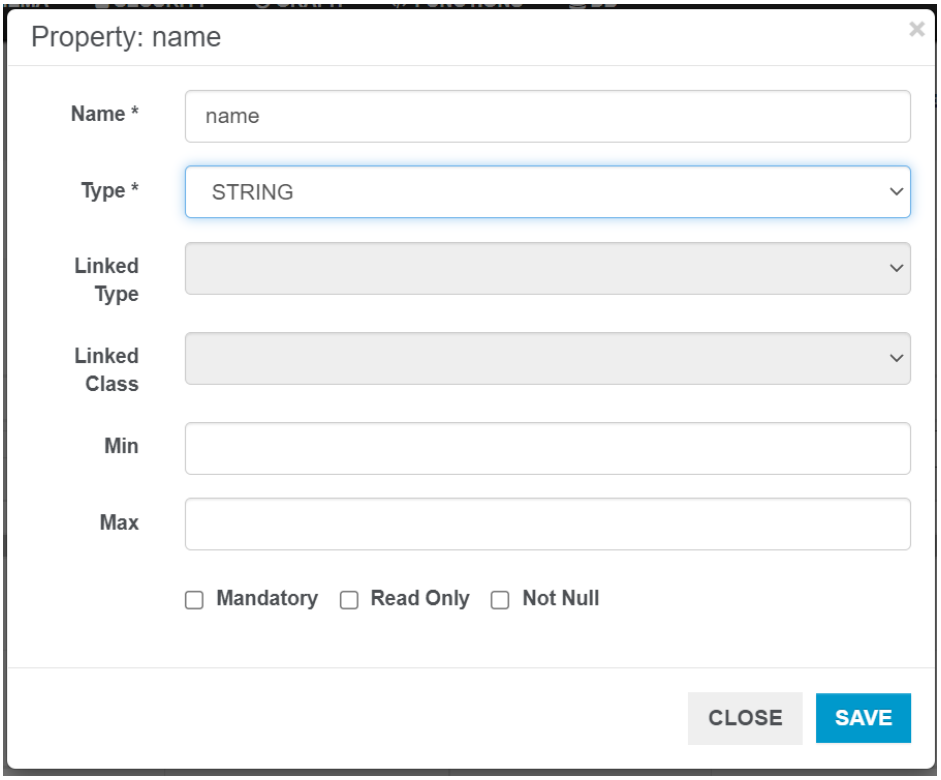
Find ‘Person’ Vertex you just added and click ‘Person’ cell in the row



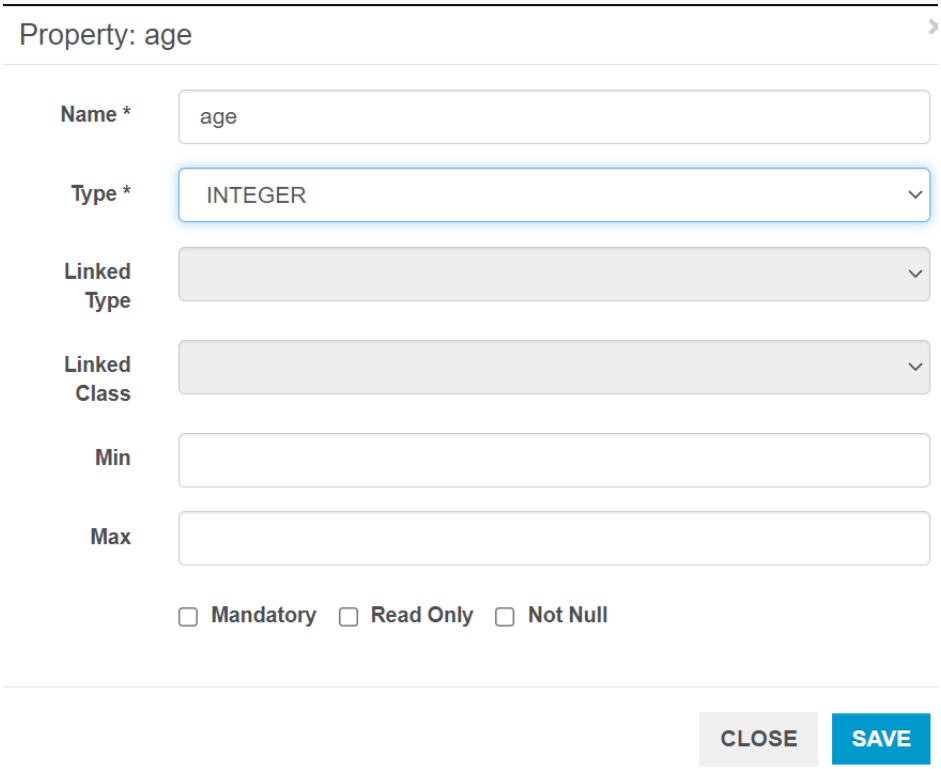
Click New Property



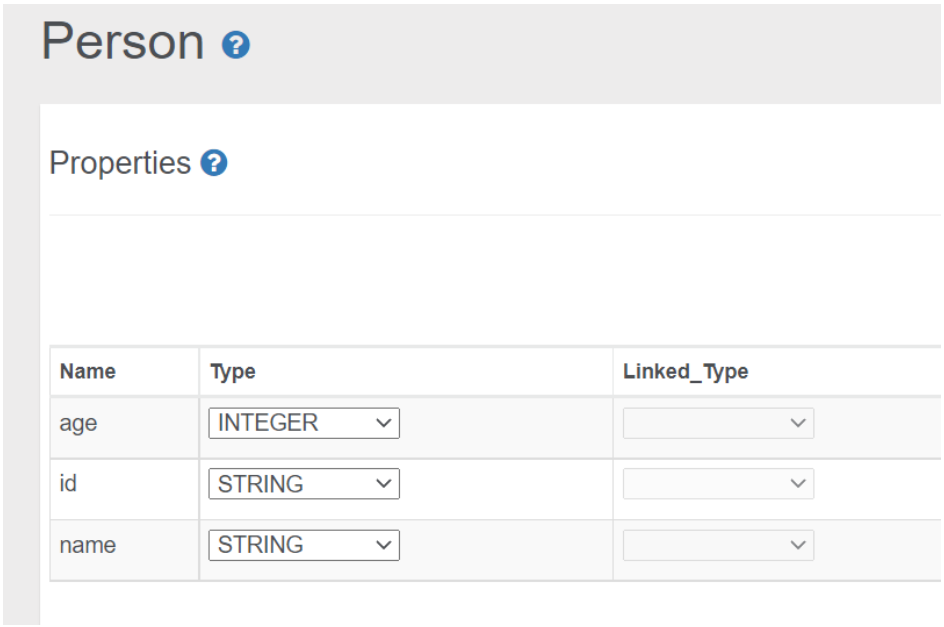
Add Property ‘name’ as string



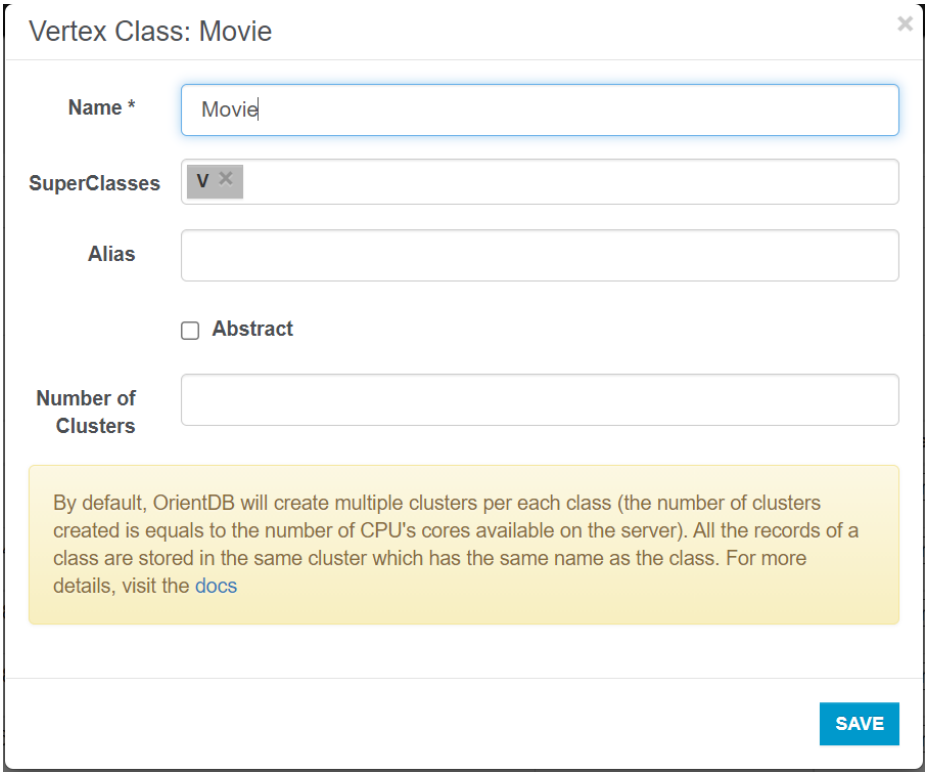
Add property ‘age’ as integer



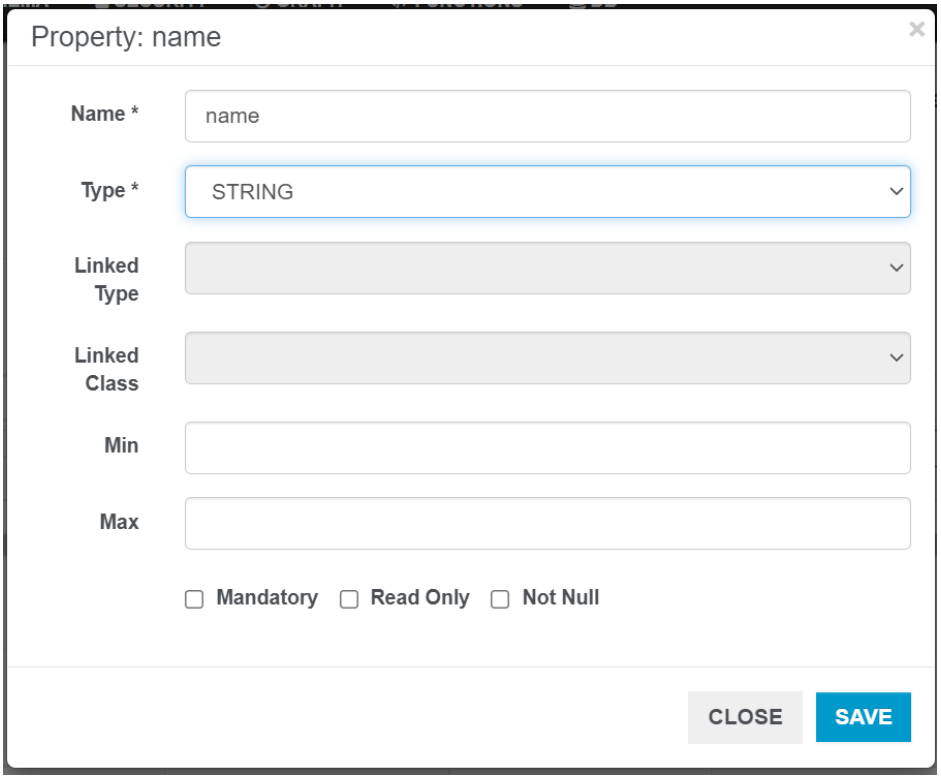
Confirm: Person



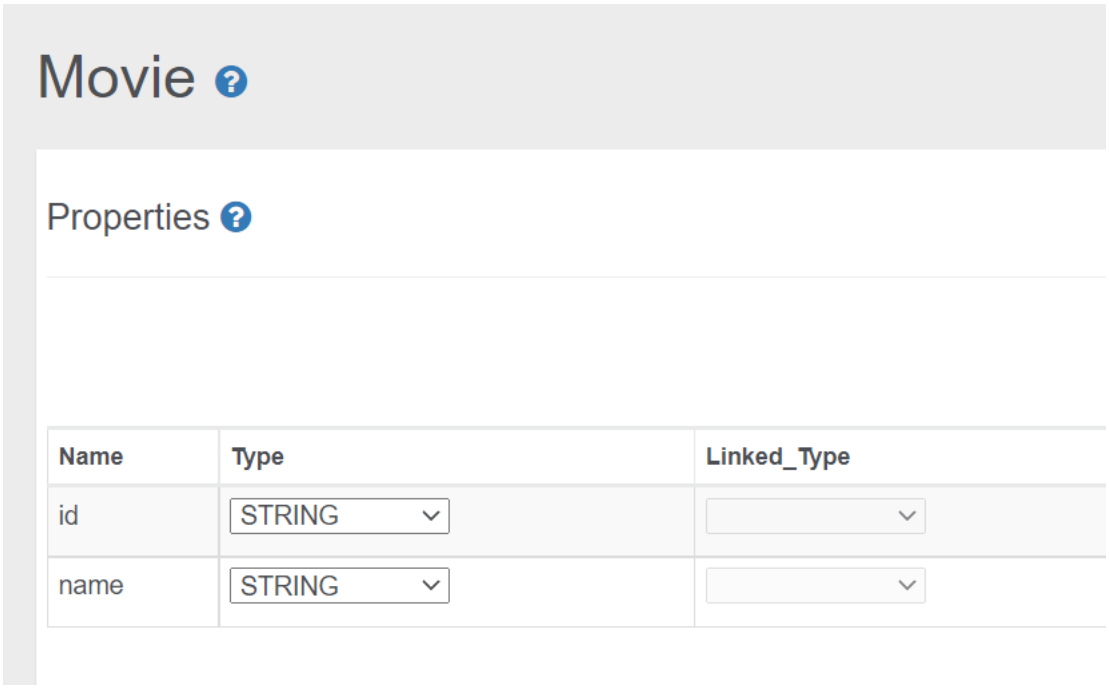
Add new Vertex ‘Movie’



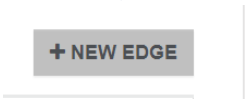
Add Property ‘name’ as string



Confirm: Movie



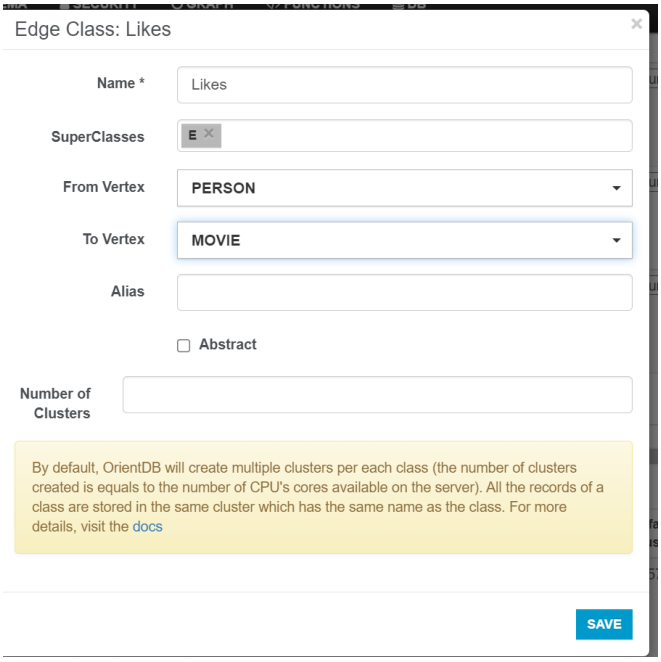
Create Edge



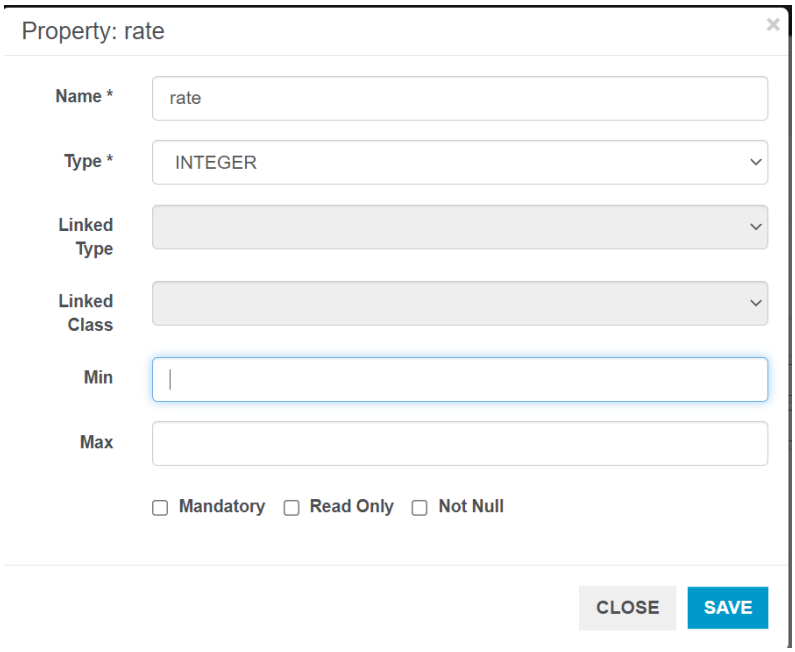
Create ‘Likes’ Edge

Set ‘From Vertex’ as Person

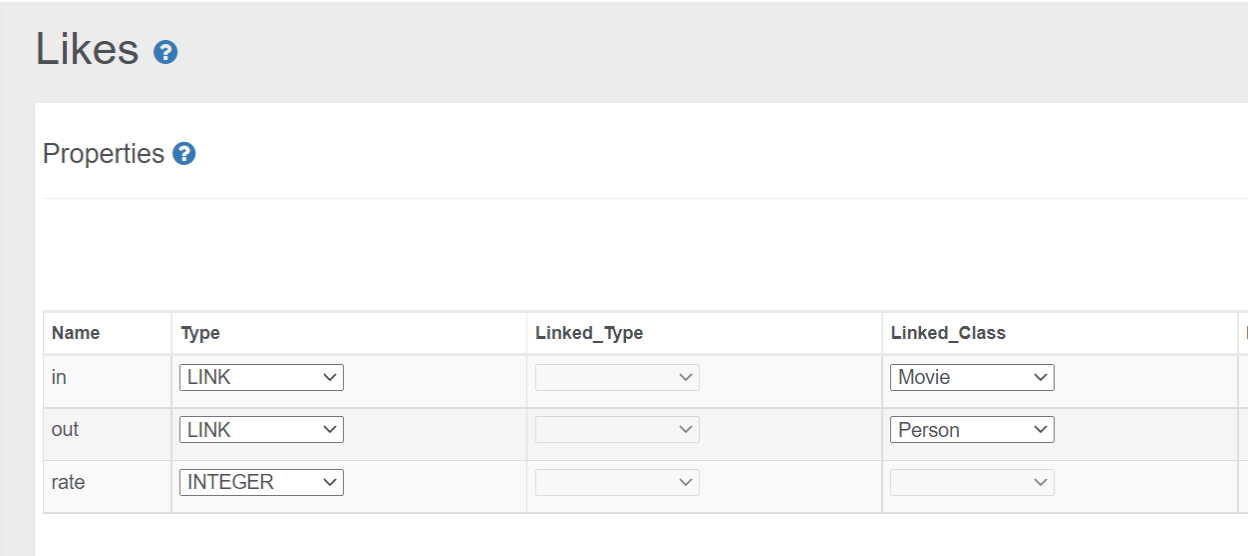
Set ‘To Vertex’ as Movie



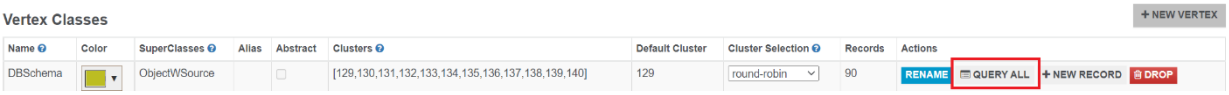
Add property ‘rate’ as int



Confirm: Likes

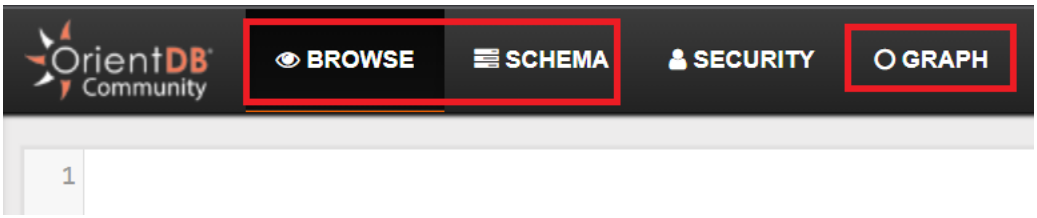


Click QUERY ALL



2.2 BROWSE Tab

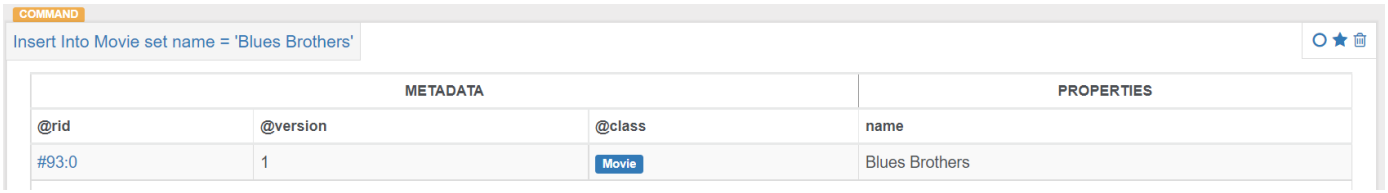
Click BROWSE tab



Insert data to Person ‘Kiyoshi’ and Movie ‘'Blues Brothers’

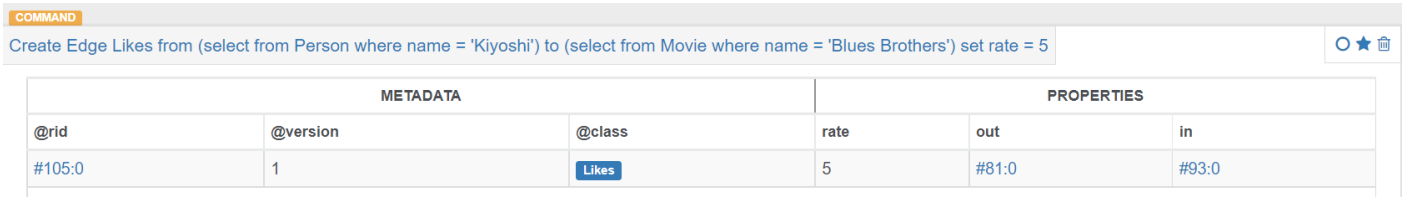
```
Insert Into Person set name = 'Kiyoshi', age = 10

Insert Into Movie set name = 'Blues Brothers'
```



Insert Likes Edge “Kiyoshi Likes Blues Brothers”

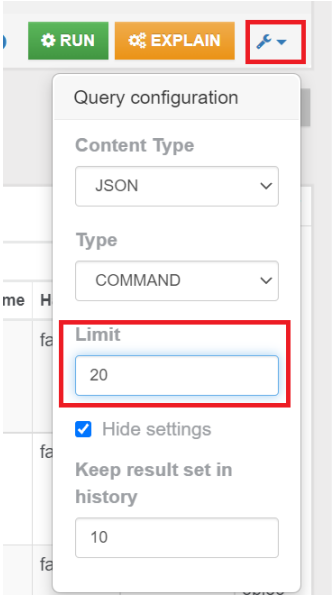
```
Create Edge Likes from (select from Person where name = 'Kiyoshi') to (select from Movie where name = 'Blues Brothers') set rate = 5
```



Note: @rid is automatically assigned.

Increase Row size limit to 200

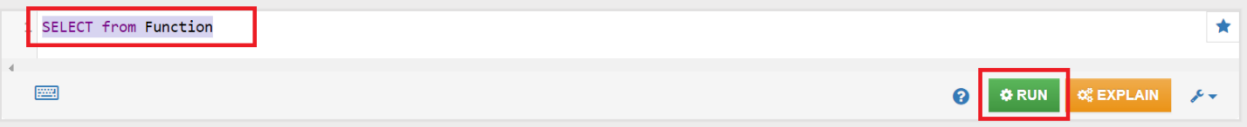
By default, limit is 20. Increase this number to 200 to return more rows



Execute simple Query

Execute Relational database SQL like simple query

Type query and click 'Run'



Query Samples 1

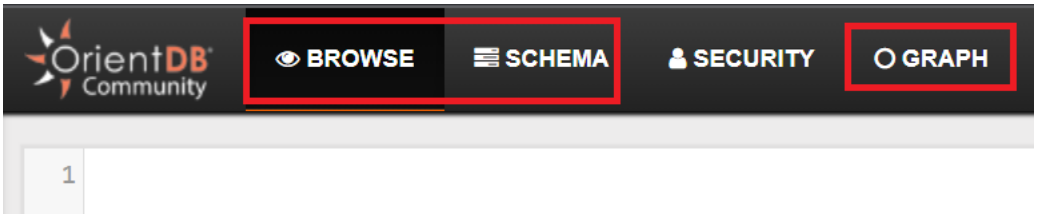
```
SELECT * from Function

SELECT * from Function where IsInternal = true

SELECT * from Function where IsInternal = true Order by name
```

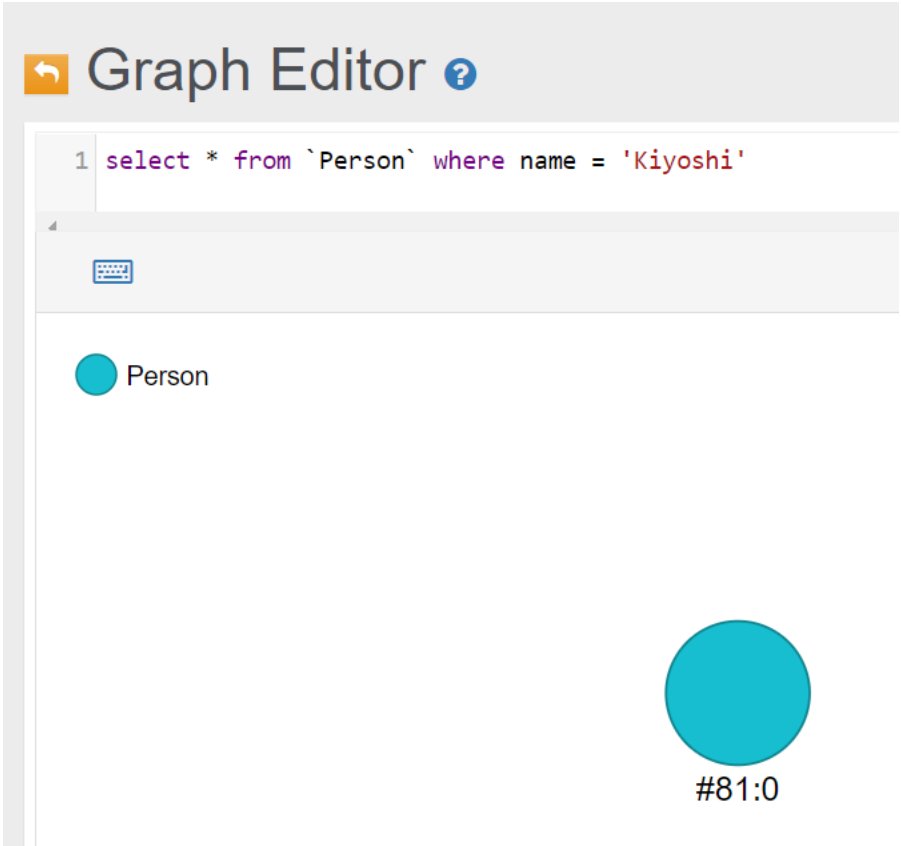
2.3 GRAPH Tab

Click GRAPH tab

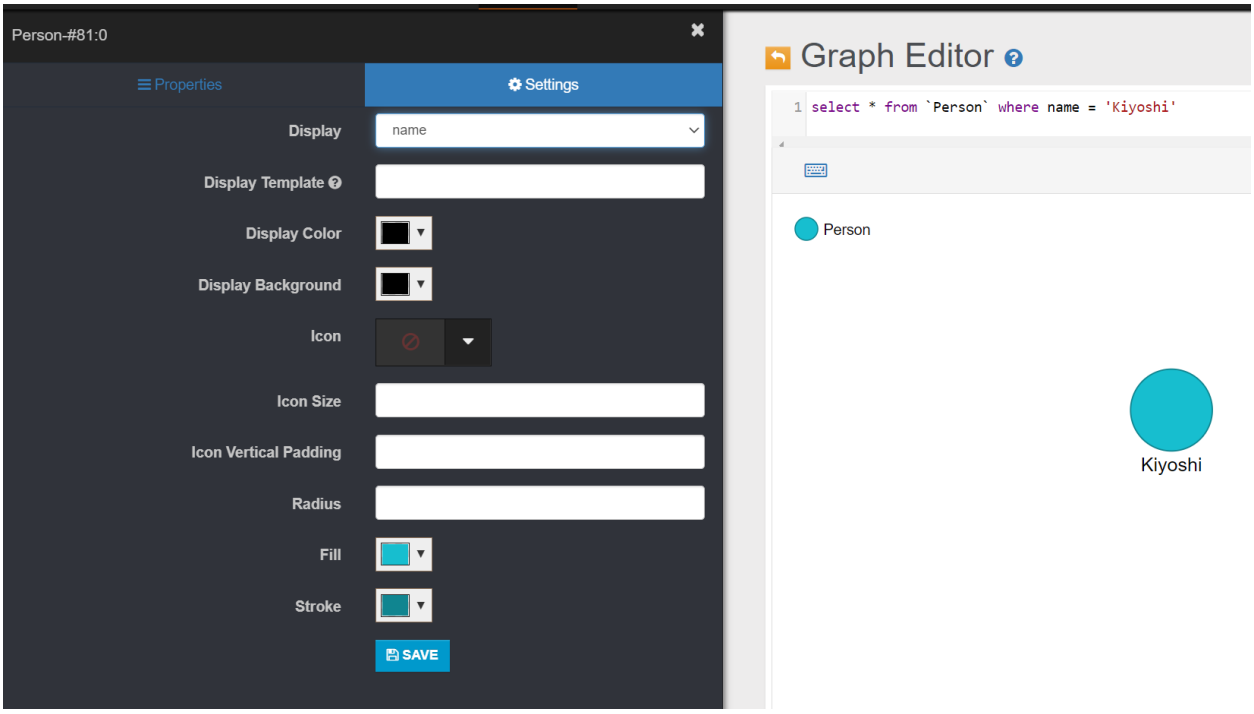


Show Graph

```
select * from `Person` where name = 'Kiyoshi'
```

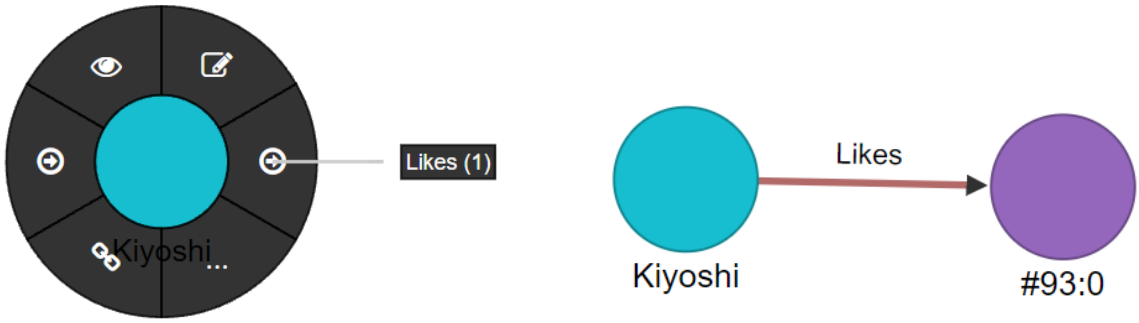


Display Name instead of @rid

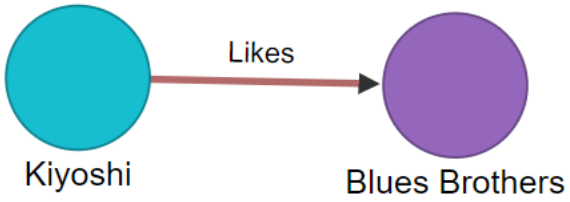


Display Movie

Click the circle and click ‘Likes’



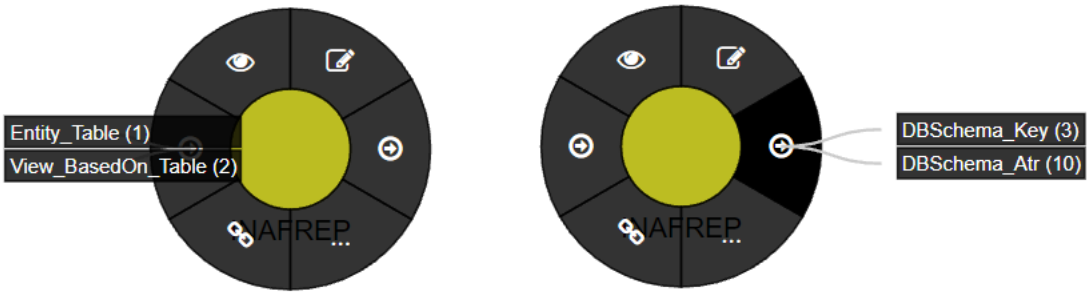
Display name for Movie



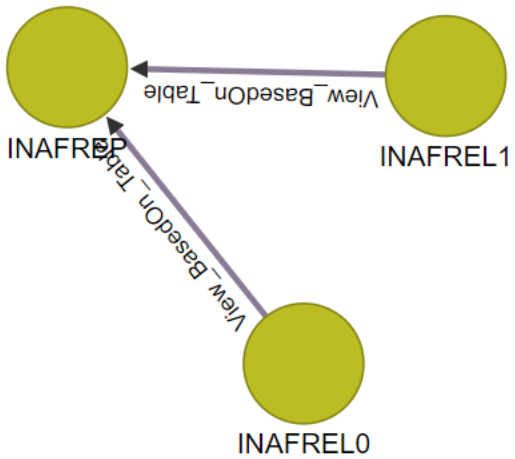
Execute more query

```
select * from `DBSchema` where name = 'INAFREP'
```

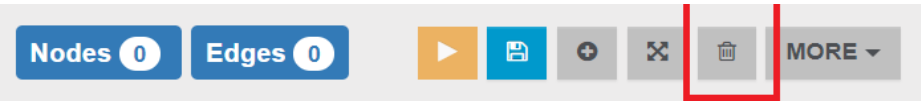
Click ‘Circle’ and hoover arrows



Click ‘View_basedOn_Table’



To clear canvas click



Execute bellow query

```
select  from (TRAVERSE in('Function_Calls_Function') FROM   (select from Function where name = '1102619'))
```