DROP ALL

# Vertices

## Message

CREATE VERTEX Comment (PRIMARY\_ID id UINT, browserUsed STRING, creationDate DATETIME, locationIP STRING, content STRING, length UINT) WITH primary\_id\_as\_attribute="TRUE"

CREATE VERTEX Post (PRIMARY\_ID id UINT, browserUsed STRING, creationDate DATETIME, locationIP STRING, content STRING, length UINT, language STRING, imageFile STRING) WITH primary\_id\_as\_attribute="TRUE"

## Organisation

CREATE VERTEX Company (PRIMARY\_ID id UINT, name STRING, url STRING) WITH primary\_id\_as\_attribute="TRUE"

CREATE VERTEX University (PRIMARY\_ID id UINT, name STRING, url STRING) WITH primary\_id\_as\_attribute="TRUE"

## Place

CREATE VERTEX City (PRIMARY\_ID id UINT, name STRING, url STRING) WITH primary\_id\_as\_attribute="TRUE"

CREATE VERTEX Country (PRIMARY\_ID id UINT, name STRING, url STRING) WITH primary\_id\_as\_attribute="TRUE" CREATE VERTEX Continent (PRIMARY\_ID id UINT, name STRING, url STRING) WITH primary\_id\_as\_attribute="TRUE"

## Others

CREATE VERTEX Forum (PRIMARY\_ID id UINT, title STRING, creationDate DATETIME) WITH primary\_id\_as\_attribute="TRUE"

CREATE VERTEX Person (PRIMARY\_ID id UINT, firstName STRING, lastName STRING, gender STRING, birthday DATETIME, email SET<STRING>, speaks SET<STRING>, browserUsed STRING, locationIP STRING, creationDate DATETIME) WITH primary\_id\_as\_attribute="TRUE"

CREATE VERTEX Tag (PRIMARY\_ID id UINT, name STRING, url STRING) WITH primary\_id\_as\_attribute="TRUE"

CREATE VERTEX TagClass (PRIMARY\_ID id UINT, name STRING, url STRING) WITH primary\_id\_as\_attribute="TRUE"

# Edges

CREATE DIRECTED EDGE CONTAINER\_OF (FROM Forum, TO Post) WITH REVERSE\_EDGE="CONTAINER\_OF\_REVERSE"

CREATE DIRECTED EDGE HAS\_CREATOR (FROM Comment|Post, TO Person) WITH REVERSE\_EDGE="HAS\_CREATOR\_REVERSE"

CREATE DIRECTED EDGE HAS\_INTEREST (FROM Person, TO Tag) WITH REVERSE\_EDGE="HAS\_INTEREST\_REVERSE" CREATE DIRECTED EDGE HAS\_MEMBER (FROM Forum, TO Person, creationDate DATETIME) WITH REVERSE\_EDGE="HAS\_MEMBER\_REVERSE"

CREATE DIRECTED EDGE HAS\_MODERATOR (FROM Forum, TO Person) WITH REVERSE\_EDGE="HAS\_MODERATOR\_REVERSE"

CREATE DIRECTED EDGE HAS\_TAG (FROM Comment|Post|Forum, TO Tag) WITH REVERSE\_EDGE="HAS\_TAG\_REVERSE" CREATE DIRECTED EDGE HAS\_TYPE (FROM Tag, TO TagClass) WITH REVERSE\_EDGE="HAS\_TYPE\_REVERSE"

CREATE DIRECTED EDGE IS\_LOCATED\_IN (FROM Company, TO Country | FROM Comment, TO Country | FROM Post, TO Country | FROM Person, TO City | FROM University, TO City) WITH REVERSE\_EDGE="IS\_LOCATED\_IN\_REVERSE" CREATE DIRECTED EDGE IS\_PART\_OF (FROM City, TO Country | FROM Country, TO Continent) WITH REVERSE\_EDGE="IS\_PART\_OF\_REVERSE"

CREATE DIRECTED EDGE IS\_SUBCLASS\_OF (FROM TagClass, TO TagClass) WITH REVERSE\_EDGE="IS\_SUBCLASS\_OF\_REVERSE" CREATE UNDIRECTED EDGE KNOWS (FROM Person, TO Person, creationDate DATETIME)

CREATE DIRECTED EDGE LIKES (FROM Person, TO Comment|Post, creationDate DATETIME) WITH REVERSE\_EDGE="LIKES\_REVERSE"

CREATE DIRECTED EDGE REPLY\_OF (FROM Comment, TO Comment|Post) WITH REVERSE\_EDGE="REPLY\_OF\_REVERSE" CREATE DIRECTED EDGE STUDY\_AT (FROM Person, TO University, classYear INT) WITH REVERSE\_EDGE="STUDY\_AT\_REVERSE"

CREATE DIRECTED EDGE WORK\_AT (FROM Person, TO Company, workFrom INT) WITH REVERSE\_EDGE="WORK\_AT\_REVERSE"

CREATE GRAPH ldbc\_snb

USE GRAPH ldbc\_snb

#comment

BEGIN

CREATE LOADING JOB load\_ldbc FOR GRAPH ldbc\_snb{

DEFINE FILENAME comment="/home/ubuntu/test\_data/dynamic/comment\_0\_0.csv";

DEFINE FILENAME commentc="/home/ubuntu/test\_data/dynamic/comment\_hasCreator\_person\_0\_0.csv";

DEFINE FILENAME commentt="/home/ubuntu/test\_data/dynamic/comment\_hasTag\_tag\_0\_0.csv";

DEFINE FILENAME commentl="/home/ubuntu/test\_data/dynamic/comment\_isLocatedIn\_place\_0\_0.csv";

DEFINE FILENAME commentrc="/home/ubuntu/test\_data/dynamic/comment\_replyOf\_comment\_0\_0.csv";

DEFINE FILENAME commentrp="/home/ubuntu/test\_data/dynamic/comment\_replyOf\_post\_0\_0.csv";

DEFINE FILENAME forum="/home/ubuntu/test\_data/dynamic/forum\_0\_0.csv";

DEFINE FILENAME forumcon="/home/ubuntu/test\_data/dynamic/forum\_containerOf\_post\_0\_0.csv";

DEFINE FILENAME forumhasm="/home/ubuntu/test\_data/dynamic/forum\_hasMember\_person\_0\_0.csv";

DEFINE FILENAME forumhasmo="/home/ubuntu/test\_data/dynamic/forum\_hasModerator\_person\_0\_0.csv";

DEFINE FILENAME forumhast="/home/ubuntu/test\_data/dynamic/forum\_hasTag\_tag\_0\_0.csv";

DEFINE FILENAME person="/home/ubuntu/test\_data/dynamic/person\_0\_0.csv";

DEFINE FILENAME personemail="/home/ubuntu/test\_data/dynamic/person\_email\_emailaddress\_0\_0.csv";

DEFINE FILENAME personhasin="/home/ubuntu/test\_data/dynamic/person\_hasInterest\_tag\_0\_0.csv";

DEFINE FILENAME personisloca="/home/ubuntu/test\_data/dynamic/person\_isLocatedIn\_place\_0\_0.csv";

DEFINE FILENAME personknows="/home/ubuntu/test\_data/dynamic/person\_knows\_person\_0\_0.csv";

DEFINE FILENAME personlikescom="/home/ubuntu/test\_data/dynamic/person\_likes\_comment\_0\_0.csv";

DEFINE FILENAME personlikespost="/home/ubuntu/test\_data/dynamic/person\_likes\_post\_0\_0.csv";

DEFINE FILENAME personspeak="/home/ubuntu/test\_data/dynamic/person\_speaks\_language\_0\_0.csv";

DEFINE FILENAME personstudy="/home/ubuntu/test\_data/dynamic/person\_studyAt\_organisation\_0\_0.csv";

DEFINE FILENAME personwork="/home/ubuntu/test\_data/dynamic/person\_workAt\_organisation\_0\_0.csv";

DEFINE FILENAME post="/home/ubuntu/test\_data/dynamic/post\_0\_0.csv";

DEFINE FILENAME postcre="/home/ubuntu/test\_data/dynamic/post\_hasCreator\_person\_0\_0.csv";

DEFINE FILENAME posttag="/home/ubuntu/test\_data/dynamic/post\_hasTag\_tag\_0\_0.csv";

DEFINE FILENAME postloc="/home/ubuntu/test\_data/dynamic/post\_isLocatedIn\_place\_0\_0.csv";

DEFINE FILENAME organisation="/home/ubuntu/test\_data/static/organisation\_0\_0.csv";

DEFINE FILENAME organisationloc="/home/ubuntu/test\_data/static/organisation\_isLocatedIn\_place\_0\_0.csv";

DEFINE FILENAME place="/home/ubuntu/test\_data/static/place\_0\_0.csv";

DEFINE FILENAME placeis="/home/ubuntu/test\_data/static/place\_isPartOf\_place\_0\_0.csv";

DEFINE FILENAME tag="/home/ubuntu/test\_data/static/tag\_0\_0.csv";

DEFINE FILENAME tagcalss="/home/ubuntu/test\_data/static/tagclass\_0\_0.csv";

DEFINE FILENAME tagsub="/home/ubuntu/test\_data/static/tagclass\_isSubclassOf\_tagclass\_0\_0.csv";

DEFINE FILENAME tagtype="/home/ubuntu/test\_data/static/tag\_hasType\_tagclass\_0\_0.csv";

LOAD comment TO VERTEX Comment VALUES($0,$3,$1,$2,$4,$5)

USING header="true",separator="|";

LOAD commentc TO EDGE HAS\_CREATOR VALUES($0 Comment,$1 Person)

USING header="true",separator="|";

LOAD commentt TO EDGE HAS\_TAG VALUES($0 Comment,$1 Tag)

USING header="true",separator="|";

LOAD commentl TO EDGE IS\_LOCATED\_IN VALUES($0 Comment,$1 Country)

USING header="true",separator="|";

LOAD commentrc TO EDGE REPLY\_OF VALUES($0 Comment,$1 Comment)

USING header="true",separator="|";

LOAD commentrp TO EDGE REPLY\_OF VALUES($0 Comment,$1 Post)

USING header="true",separator="|";

LOAD forum TO VERTEX Forum VALUES($0,$1,$2)

USING header="true",separator="|";

LOAD forumcon TO EDGE CONTAINER\_OF VALUES($0,$1)

USING header="true",separator="|";

LOAD forumhasm TO EDGE HAS\_MEMBER VALUES($0,$1,$2)

USING header="true",separator="|";

LOAD forumhasmo TO EDGE HAS\_MODERATOR VALUES($0,$1)

USING header="true",separator="|";

LOAD forumhast TO EDGE HAS\_TAG VALUES($0 Forum,$1 Tag)

USING header="true",separator="|";

LOAD person TO VERTEX Person VALUES($0,$1,$2,$3,$4,\_,\_,$7,$6,$5)

USING header="true",separator="|";

LOAD personemail TO VERTEX Person VALUES($0,\_,\_,\_,\_,$1,\_,\_,\_,\_)

USING header="true",separator="|";

LOAD personhasin TO EDGE HAS\_INTEREST VALUES($0 Person,$1 Tag)

USING header="true",separator="|";

LOAD personisloca TO EDGE IS\_LOCATED\_IN VALUES($0 Person,$1 City)

USING header="true",separator="|";

LOAD personknows TO EDGE KNOWS VALUES($0,$1,$2)

USING header="true",separator="|";

LOAD personlikescom TO EDGE LIKES VALUES($0 Person,$1 Comment,$2)

USING header="true",separator="|";

LOAD personlikespost TO EDGE LIKES VALUES($0 Person,$1 Post,$2)

USING header="true",separator="|";

LOAD personspeak TO VERTEX Person VALUES($0,\_,\_,\_,\_,\_,$1,\_,\_,\_)

USING header="true",separator="|";

LOAD personstudy TO EDGE STUDY\_AT VALUES($0,$1,$2)

USING header="true",separator="|";

LOAD personwork TO EDGE WORK\_AT VALUES($0,$1,$2)

USING header="true",separator="|";

LOAD post TO VERTEX Post VALUES($0,$4,$2,$3,$6,$7,$5,$1)

USING header="true",separator="|";

LOAD postcre TO EDGE HAS\_CREATOR VALUES($0 Post,$1 Person)

USING header="true",separator="|";

LOAD posttag TO EDGE HAS\_TAG VALUES($0 Post,$1 Tag)

USING header="true",separator="|";

LOAD postloc TO EDGE IS\_LOCATED\_IN VALUES($0 Post,$1 Country)

USING header="true",separator="|";

LOAD organisation

TO VERTEX Company VALUES ($0, $2, $3) WHERE $1 == "Company",

TO VERTEX University VALUES ($0, $2, $3) WHERE $1 == "University"

USING header="true",separator="|";

LOAD organisationloc

TO EDGE IS\_LOCATED\_IN Values ($0 Company, $1 Country),

TO EDGE IS\_LOCATED\_IN Values ($0 University, $1 City)

USING header="true",separator="|";

LOAD place

TO VERTEX Continent VALUES ($0, $1, $2) WHERE $3 == "Continent",

TO VERTEX Country VALUES ($0, $1, $2) WHERE $3 == "Country",

TO VERTEX City VALUES ($0, $1, $2) WHERE $3 == "City"

USING header="true",separator="|";

LOAD placeis

TO EDGE IS\_PART\_OF VALUES ($0 Country, $1 Continent),

TO EDGE IS\_PART\_OF VALUES ($0 City, $1 Country)

USING header="true",separator="|";

LOAD tag TO VERTEX Tag VALUES($0,$1,$2)

USING header="true",separator="|";

LOAD tagcalss TO VERTEX TagClass VALUES($0,$1,$2)

USING header="true",separator="|";

LOAD tagsub TO EDGE IS\_SUBCLASS\_OF VALUES($0,$1)

USING header="true",separator="|";

LOAD tagtype TO EDGE HAS\_TYPE VALUES($0,$1)

USING header="true",separator="|";

}

END