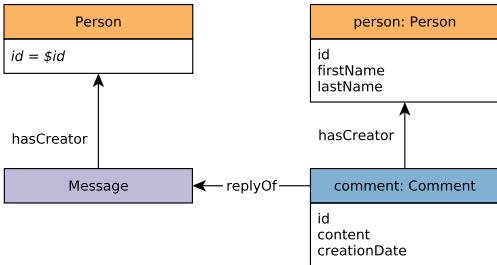


Interactive / complex / 8

query	Interactive / complex / 8				
title	Recent replies				
pattern	 <pre>graph TD Person[Person] -- hasCreator --> Message[Message] Message -- replyOf --> Comment[comment: Comment] Comment -- hasCreator --> person[person: Person] Person -- id = \$id --> Person person -- id, firstName, lastName --> person Comment -- id, content, creationDate --> Comment</pre>				
desc.	Given a start Person, find (most recent) Comments that are replies to Messages of the start Person. Only consider direct (single-hop) replies, not the transitive (multi-hop) ones. Return the reply Comments, and the Person that created each reply Comment.				
params	1	Person.id	ID	personId	
result	1	Person.id	ID	R	personId
	2	Person.firstName	String	R	personFirstName
	3	Person.lastName	String	R	personLastName
	4	Comment.creationDate	DateTime	R	commentCreationDate
	5	Comment.id	ID	R	commentId
	6	Comment.content	String	R	commentContent
sort	1	Comment.creationDate	↓		
	2	Comment.id	↑		
limit	20				
CPs	2.4, 3.2, 3.3, 5.3				
relevance	This query looks for paths of length two, starting from a given Person , going through its created Messages and finishing at their replies. In this query there is temporal locality between the replies being accessed. Thus the top-k order by this can interact with the selection, i.e. do not consider older Posts than the 20th oldest seen so far.				