

BI / read / 5

query	BI / read / 5				
title	Most active posters of a given topic				
pattern	<pre>graph LR Tag[Tag: name = \$tag] Person[Person: id] Message[Message: m: Message] Comment[Comment: comment: Comment] Person -- hasTag --> Tag Person -- hasCreator --> Message Person -. "likes" .-> Message Comment -. "replyOf" .-> Message subgraph PersonBox [Person] Person likeCount[likeCount = count(likers)] end subgraph MessageBox [Message] Message messageCount[messageCount = count(m)] end subgraph CommentBox [Comment] Comment replyCount[replyCount = count(comment)] end PersonBox --> Tag PersonBox --> MessageBox CommentBox --> MessageBox PersonBox -- "person.score = 1×messageCount + 2×replyCount + 10×likeCount" --> Score[Score]</pre>				
desc.	<p>Get each Person (person) who has created a Message (message) with a given Tag (direct relation, not transitive). Considering only these Messages, for each Person node:</p> <ul style="list-style-type: none">Count its messages (messageCount).Count likes (likeCount) to its messages.Count Comments (replyCount) in reply to it messages. <p>The score is calculated according to the following formula: $1 \times \text{messageCount} + 2 \times \text{replyCount} + 10 \times \text{likeCount}$.</p>				
params	1	tag	Long String	Tags with a similar amount of Messages are selected	
result	1	person.id	ID	R	
	2	replyCount	32-bit Integer	A	
	3	likeCount	32-bit Integer	A	
	4	messageCount	32-bit Integer	A	
	5	score	32-bit Integer	A	
sort	1	score	↓		
	2	person.id	↑		
limit	100				
CPs	1.2, 2.3, 8.2				