

## BI / read / 5

query	BI / read / 5				
title	Most active posters of a given topic				
pattern	<pre>graph LR     Tag[Tag]     Person[person: Person]     Message[m: Message]     Comment[comment: Comment]      Person -- hasTag --&gt; Tag     Person -- hasCreator --&gt; Message     Person -.-&gt; likes  Message     Comment -.-&gt; replyOf  Message      subgraph PersonBox [likeCount = count(likers)]         Person     end      subgraph MessageBox [messageCount = count(m)]         Message     end      subgraph CommentBox [replyCount = count(comment)]         Comment     end      PersonBox --- MessageBox     CommentBox --- MessageBox      PersonBox --- Formula["person.score = 1×messageCount + 2×replyCount + 10×likeCount"]</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"><li>Count its messages (messageCount).</li><li>Count likes (likeCount) to its messages.</li><li>Count Comments (replyCount) in reply to it messages.</li></ul> <p>The score is calculated according to the following formula: <math>1 \times \text{messageCount} + 2 \times \text{replyCount} + 10 \times \text{likeCount}</math>.</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				