

## BI / read / 5

BI 1	query	BI / read / 5		
BI 2	title	Most active posters of a given topic		
BI 3	pattern	<pre> graph TD     Tag[Tag] -- hasTag --&gt; Person[person: Person]     Person -- hasCreator --&gt; Message[m: Message]     Message -- "«opt» likes" --&gt; Liker[liker: Person]     Message -- "«opt» replyOf" --&gt; Comment[comment: Comment]     Liker -- "likeCount = count(liker)" --&gt; LikeCount[likeCount]     Message -- "messageCount = count(m)" --&gt; MessageCount[messageCount]     Comment -- "replyCount = count(comment)" --&gt; ReplyCount[replyCount]     </pre> <p>person.score = 1×messageCount + 2×replyCount + 10×likeCount</p>		
BI 4				
BI 5				
BI 6				
BI 7				
BI 8	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>		
BI 9				
BI 10				
BI 11				
BI 12				
BI 13	params	1	tag	Long String
BI 14		Tags with a similar amount of Messages are selected		
BI 15				
BI 16				
BI 17				
BI 18	result	1	person.id	ID
BI 19		2	replyCount	32-bit Integer
BI 20		3	likeCount	32-bit Integer
		4	messageCount	32-bit Integer
		5	score	32-bit Integer
	sort	1	score	↓
		2	person.id	↑
	limit	100		
	CPs	1.2, 2.3, 8.2		