

## 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; Person1[person: Person]     Person1 -- hasCreator --&gt; Message[m: Message]     Message -- "«opt» likes" --&gt; Person2[liker: Person]     Message -- "«opt» replyOf" --&gt; Comment[comment: Comment]     Tag -- "name = \$tag" --&gt; Tag     Person1 -- "id" --&gt; Person1     Message -- "messageCount = count(m)" --&gt; Message     Person2 -- "likeCount = count(liker)" --&gt; Person2     Comment -- "replyCount = count(comment)" --&gt; Comment     Person1 -- "person.score = 1×messageCount + 2×replyCount + 10×likeCount" --&gt; Person1 </pre>			
BI 12	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 20	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			