

BI / read / 5

query	BI / read / 5																													
title	Most active posters of a given topic																													
pattern	<pre>classDiagram class Tag { name = \$tag } class Person { id } class Message { messageCount = count(m) } class Comment { replyCount = count(comment) } class Likers { likeCount = count(likers) } Tag --> Person : hasTag Person --> Message : hasCreator Message --> Likers : likeCount = count(likers) Message --> Comment : replyCount = count(comment) Comment --> Message : replyOf</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	<div><div>1</div><div>tag</div><div>Long String</div></div>	Tags with a similar amount of Messages are selected. To avoid caching, different Tags should be used than the ones in Q6 and Q7.																												
result	<table><tr><td>1</td><td>person.id</td><td>ID</td><td>R</td><td></td></tr><tr><td>2</td><td>replyCount</td><td>32-bit Integer</td><td>A</td><td></td></tr><tr><td>3</td><td>likeCount</td><td>32-bit Integer</td><td>A</td><td></td></tr><tr><td>4</td><td>messageCount</td><td>32-bit Integer</td><td>A</td><td></td></tr><tr><td>5</td><td>score</td><td>32-bit Integer</td><td>A</td><td></td></tr></table>					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	
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sort	<table><tr><td>1</td><td>score</td><td>↓</td><td></td></tr><tr><td>2</td><td>person.id</td><td>↑</td><td></td></tr></table>					1	score	↓		2	person.id	↑																		
1	score	↓																												
2	person.id	↑																												
limit	100																													
CPs	1.2, 2.3, 8.2																													