

BI / read / 5

BI 1	query	BI / read / 5			
BI 2	title	Most active posters of a given topic			
BI 3	pattern	<p>The diagram illustrates a graph pattern for calculating the score of a person based on their posts and interactions. It features a central node 'm: Message' connected to a 'Tag' node via 'hasTag' and to a 'person: Person' node via 'hasCreator'. The 'person' node is also connected to a 'like: Person' node via an optional 'likes' relation. The 'message' node is connected to a 'comment: Comment' node via an optional 'replyOf' relation. A formula at the bottom right specifies the score calculation: $person.score = 1 \times messageCount + 2 \times replyCount + 10 \times likeCount$.</p>			
BI 4		<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 its Messages. <p>The score is calculated according to the following formula: $1 \times messageCount + 2 \times replyCount + 10 \times likeCount$.</p>			
BI 5	params	1	\$tag	Long String	Tags with a similar amount of Messages are selected. To avoid caching, different Tags should be used than the ones in Q6 and Q7.
BI 6		2			
BI 7	result	3	person.id	ID	R
BI 8		4	replyCount	32-bit Integer	A
BI 9		5	likeCount	32-bit Integer	A
BI 10		6	messageCount	32-bit Integer	A
BI 11		7	score	32-bit Integer	A
BI 12	sort	1	score	↓	
BI 13		2	person.id	↑	
BI 14	limit	100			
BI 15	CPs	1.2, 2.3, 2.6, 8.2			
BI 16					
BI 17					
BI 18					
BI 19					
BI 20					