

BI / read / 5

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|---------|--|--------------|----------------|---|--|
| query | BI / read / 5 | | | | |
| title | Most active posters of a given topic | | | | |
| pattern | <pre>graph TD Tag[Tag] -- hasTag --> Person[person: Person] Tag -- hasCreator --> Message[m: Message] Person -- hasCreator --> Message Message -- "messageCount = count(m)" --> Message Message -- "replyCount = count(comment)" --> Comment[comment: Comment] Comment -- "replyOf" --> Message Message -- "likes" --> Liker[liker: Person] Liker -- "likeCount = count(likers)" --> Message subgraph Formula direction LR F1["likeCount = count(likers)"] F2["messageCount = count(m)"] F3["replyCount = count(comment)"] F4["person.score = 1 * messageCount + 2 * replyCount + 10 * likeCount"] end</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 | 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 | | | | |