

## Shortest path

4 posts by 3 authors  



**FERHAT Ilyes**

May 6



Hi,

I'm trying to find the shortest path between two given nodes, the path contains several nodes that contain a name and other properties! Is there a cypher query that returns only the names of the nodes that belong to this shortest path ?!



**david fauth**

May 6



Something like this should work:

```
MATCH p=shortestPath(a-->(b)-->(c)
WHERE a.name='Alice' AND b.name='Bob' AND c.name='Daniel'
RETURN extract(n IN nodes(p) | n.name) AS extracted
```

On Wednesday, May 6, 2015 at 11:29:47 AM UTC-4, FERHAT Ilyes wrote:

Hi,

I'm trying to find the shortest path between two given nodes, the path contains several nodes that contain a name and other properties! Is there a cypher query that returns only the names of the nodes that belong to this shortest path ?!



**FERHAT Ilyes**

May 7



Thanks..... And what about the longest path?! I mean, I want just to return the names of the nodes?!



**Michael Hunger**

May 11



```
match p=shortestPath((a:Person {id:123})-[:KNOWS]-(b:Person {id:124}))
with p
order by length(p) desc
limit 1
return [n in nodes(p) | n.name] as names
```

> Am 07.05.2015 um 10:53 schrieb FERHAT Ilyes <[ferhat...@gmail.com](mailto:ferhat...@gmail.com)>:  
>

- > Thanks..... And what about the longest path?! I mean, I want just to return the names of the nodes?!
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