



how to create a like query in mongodb

To create a "like" query in MongoDB, similar to SQL's LIKE operator, you can use MongoDB's `$regex` operator, which allows for pattern matching using regular expressions. This is the primary way to perform "like" searches in MongoDB.

Basic Syntax for a "like" query in MongoDB

```
db.collection.find({ "field": { $regex: /pattern/, $options: 'i' } });
```

- **field:** The field in the document to search.
- **pattern:** The regex pattern to match (for example, "text" to match any occurrence of "text").
- **\$options: 'i':** Makes the search case-insensitive (optional).

Examples

- Find documents where the `name` field contains "m" anywhere (case-insensitive):

```
db.users.find({ name: { $regex: /m/, $options: 'i' } });
```

- Find documents where the `position` field contains "developer" (case-sensitive):

```
db.employee.find({ position: { $regex: "developer" } });
```

- Find documents where the `name` starts with "B":

```
db.employee.find({ name: { $regex: "^B" } });
```

- Find documents where the `name` ends with "e":

```
db.employee.find({ name: { $regex: "e$" } });
```

Notes

- MongoDB regex queries allow more advanced and flexible pattern matching than SQL LIKE.
- Regex is case-sensitive by default; the `$options: 'i'` flag can be used for case-insensitivity.
- Using `$regex` is the closest equivalent to SQL's LIKE operation in MongoDB.

This method is widely used for filtering document fields using substring or pattern matching similar to LIKE queries in SQL databases.^{[1] [2] [3] [4]}

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1. <https://stackoverflow.com/questions/3305561/how-to-query-mongodb-with-like>
2. <https://www.geeksforgeeks.org/mongodb/how-to-query-mongodb-with-like/>
3. <https://www.geeksforgeeks.org/mongodb/mongodb-regex/>
4. <https://www.mongodb.com/docs/manual/reference/operator/query/regex/>
5. https://studio3t.com/whats-new/how-do-i-use-mongodb-regex-regular-expressions-in-studio-3t-studio3t_ama/
6. <https://www.mongodb.com/community/forums/t/using-compass-to-filter-like-query/13812/2>
7. <https://www.mongodb.com/community/forums/t/combine-text-with-regex/153083>
8. <https://www.mongodb.com/docs/compass/query/filter/>
9. <https://www.mongodb.com/community/forums/t/case-insensitive-search-with-regex/120598>
10. <https://www.educative.io/answers/how-to-query-mongodb-with-like>
11. <https://www.simplilearn.com/tutorials/mongodb-tutorial/mongodb-regex>
12. <https://www.mongodb.com/docs/atlas/atlas-search/regex/>
13. <https://www.mongodb.com/docs/manual/tutorial/query-documents/>
14. <https://www.atlassian.com/data/databases/how-to-use-a-sql-like-statement-in-mongodb>
15. <https://www.mongodb.com/community/forums/t/using-compass-to-filter-like-query/13812>
16. <https://stackoverflow.com/questions/47356919/how-to-use-regex-in-mongodb-query-with-string-variable>
17. <https://www.mongodb.com/community/forums/t/query-a-string-with-like/163355>