

MONGODB - INSERT DOCUMENT

http://www.tutorialspoint.com/mongodb/mongodb_insert_document.htm

Copyright © tutorialspoint.com

The insert Method

To insert data into MongoDB collection, you need to use MongoDB's **insert** or **save** method.

Syntax

Basic syntax of **insert** command is as follows:

```
>db.COLLECTION_NAME.insert(document)
```

Example

```
>db.mycol.insert({
  _id: ObjectId(7df78ad8902c),
  title: 'MongoDB Overview',
  description: 'MongoDB is no sql database',
  by: 'tutorials point',
  url: 'http://www.tutorialspoint.com',
  tags: ['mongodb', 'database', 'NoSQL'],
  likes: 100
})
```

Here **mycol** is our collection name, as created in previous tutorial. If the collection doesn't exist in the database, then MongoDB will create this collection and then insert document into it.

In the inserted document if we don't specify the `_id` parameter, then MongoDB assigns a unique ObjectId for this document.

`_id` is 12 bytes hexadecimal number unique for every document in a collection. 12 bytes are divided as follows:

```
_id: ObjectId(4 bytes timestamp, 3 bytes machine id, 2 bytes process id, 3 bytes
incrementer)
```

To insert multiple documents in single query, you can pass an array of documents in insert command.

Example

```
>db.post.insert([
{
  title: 'MongoDB Overview',
  description: 'MongoDB is no sql database',
  by: 'tutorials point',
  url: 'http://www.tutorialspoint.com',
  tags: ['mongodb', 'database', 'NoSQL'],
  likes: 100
},
{
  title: 'NoSQL Database',
  description: 'NoSQL database doesn't have tables',
  by: 'tutorials point',
  url: 'http://www.tutorialspoint.com',
  tags: ['mongodb', 'database', 'NoSQL'],
  likes: 20,
  comments: [
    {
      user: 'user1',
      message: 'My first comment',
```

```
        dateCreated: new Date(2013, 11, 10, 2, 35),
        like: 0
    }
]
})
```

To insert the document you can use **db.post.savedocument** also. If you don't specify **_id** in the document then **save** method will work same as **insert** method. If you specify **_id** then it will replace whole data of document containing **_id** as specified in save method.

Loading [Mathjax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js