MONGODB - INSERT DOCUMENT

In this chapter, we will learn how to insert document in MongoDB collection.

The insert Method

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

Syntax

The 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 the previous chapter. If the collection doesn't exist in the database, then MongoDB will create this collection and then insert a 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 a 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.save***document* 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.