# **C# MongoDB CRUD Basics**

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### what are some simple c# mongodb CRUD commands

In C#, you can interact with MongoDB using the MongoDB C# driver. Here are some simple CRUD (Create, Read, Update, Delete) commands using this driver:
Install the MongoDB C# Driver:
Before you start, make sure you have installed the MongoDB C# driver using NuGet Package
Manager. You can do this by running the following command in your Visual Studio Package
Manager Console:
csharp Copy code
Install-Package MongoDB.Driver
Create a MongoDB Client:
To interact with a MongoDB database, you need to create a MongoClient. You should
typically do this once for your application:
csharp Copy code
<pre>using MongoDB.Driver; var client = new MongoClient("mongodb://localhost:27017");</pre>
Select a Database:
You can select a specific database from the MongoClient:
csharp Copy code
<pre>var database = client.GetDatabase("your-database-name");</pre>

## **CRUD Operations**

Here are some simple CRUD operations:

```
Create (Insert) Document:
```

csharp

csharp

csharp

#### Read (Find) Document:

```
var filter = Builders<BsonDocument>.Filter.Eq("name", "John"); var result =
collection.Find(filter).ToList(); foreach (var doc in result) {
Console.WriteLine(doc); }
```

#### **Update Document:**

```
var filter = Builders<BsonDocument>.Filter.Eq("name", "John"); var update =
Builders<BsonDocument>.Update.Set("age", 31); collection.UpdateOne(filter,
update);
```

#### Delete Document:

```
csharp

var filter = Builders<BsonDocument>.Filter.Eq("name", "John");
```

These are basic examples of CRUD operations using the MongoDB C# driver. Remember to handle exceptions and errors appropriately in your application for robust database interactio Additionally, you should use strongly-typed classes instead of BsonDocument for better code

collection.DeleteOne(filter);

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