

MONGODB - PHP

To use mongodb with php you need to use mongodb php driver. Download the driver from the url [Download PHP Driver](#). Make sure to download latest release of it. Now unzip the archive and put `php_mongo.dll` in your PHP extension directory " `ext` " by default and add the following line to your `php.ini` file:

```
extension=php_mongo.dll
```

Make a connection and Select a database

To make a connection, you need to specify database name, if database doesn't exist then mongodb creates it automatically.

Code snippets to connect to database would be as follows:

```
<?php
    // connect to mongodb
    $m = new MongoClient();
    echo "Connection to database successfully";
    // select a database
    $db = $m->mydb;
    echo "Database mydb selected";
?>
```

When program is executed, it will produce the following result:

```
Connection to database successfully
Database mydb selected
```

Create a collection

Code snippets to create a collection would be as follows:

```
<?php
    // connect to mongodb
    $m = new MongoClient();
    echo "Connection to database successfully";
    // select a database
    $db = $m->mydb;
    echo "Database mydb selected";
    $collection = $db->createCollection("mycol");
    echo "Collection created successfully";
?>
```

When program is executed, it will produce the following result:

```
Connection to database successfully
Database mydb selected
Collection created successfully
```

Insert a document

To insert a document into mongodb, **insert** method is used.

Code snippets to insert a documents:

```
<?php
    // connect to mongodb
    $m = new MongoClient();
    echo "Connection to database successfully";
```

```

// select a database
$db = $m->mydb;
echo "Database mydb selected";
$collection = $db->mycol;
echo "Collection selected successfully";
$document = array(
    "title" => "MongoDB",
    "description" => "database",
    "likes" => 100,
    "url" => "http://www.tutorialspoint.com/mongodb/",
    "by", "tutorials point"
);
$collection->insert($document);
echo "Document inserted successfully";
?>

```

When program is executed, it will produce the following result:

```

Connection to database successfully
Database mydb selected
Collection selected successfully
Document inserted successfully

```

Find all documents

To select all documents from the collection, find method is used.

Code snippets to select all documents:

```

<?php
    // connect to mongodb
    $m = new MongoClient();
    echo "Connection to database successfully";
    // select a database
    $db = $m->mydb;
    echo "Database mydb selected";
    $collection = $db->mycol;
    echo "Collection selected successfully";

    $cursor = $collection->find();
    // iterate cursor to display title of documents
    foreach ($cursor as $document) {
        echo $document["title"] . "\n";
    }
?>

```

When program is executed, it will produce the following result:

```

Connection to database successfully
Database mydb selected
Collection selected successfully
{
    "title": "MongoDB"
}

```

Update a document

To update a document , you need to use update method.

In the below given example we will update the title of inserted document to **MongoDB Tutorial**.
Code snippets to update a document:

```

<?php
    // connect to mongodb
    $m = new MongoClient();
    echo "Connection to database successfully";

```

```

// select a database
$db = $m->mydb;
echo "Database mydb selected";
$collection = $db->mycol;
echo "Collection selected successfully";

// now update the document
$collection->update(array("title"=>"MongoDB"), array('$set'=>array("title"=>"MongoDB
Tutorial")));
echo "Document updated successfully";
// now display the updated document
$cursor = $collection->find();
// iterate cursor to display title of documents
echo "Updated document";
foreach ($cursor as $document) {
    echo $document["title"] . "\n";
}
?>

```

When program is executed, it will produce the following result:

```

Connection to database successfully
Database mydb selected
Collection selected successfully
Document updated successfully
Updated document
{
    "title": "MongoDB Tutorial"
}

```

Delete a document

To delete a document , you need to use remove method.

In the below given example we will remove the documents that has title **MongoDB Tutorial**. Code snippets to delete document:

```

<?php
// connect to mongodb
$m = new MongoClient();
echo "Connection to database successfully";
// select a database
$db = $m->mydb;
echo "Database mydb selected";
$collection = $db->mycol;
echo "Collection selected successfully";

// now remove the document
$collection->remove(array("title"=>"MongoDB Tutorial"), false);
echo "Documents deleted successfully";

// now display the available documents
$cursor = $collection->find();
// iterate cursor to display title of documents
echo "Updated document";
foreach ($cursor as $document) {
    echo $document["title"] . "\n";
}
?>

```

When program is executed, it will produce the following result:

```

Connection to database successfully
Database mydb selected
Collection selected successfully
Documents deleted successfully

```

In the above given example second parameter is boolean type and used for **justOne** field of **remove** method.

Remaining mongodb methods **findOne**, **save**, **limit**, **skip**, **sort** etc works same as explained in [above tutorial](#)

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