

ADBMS Lab Experiment

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RMCA-S2-B

Roll No:38

Collection Creation:

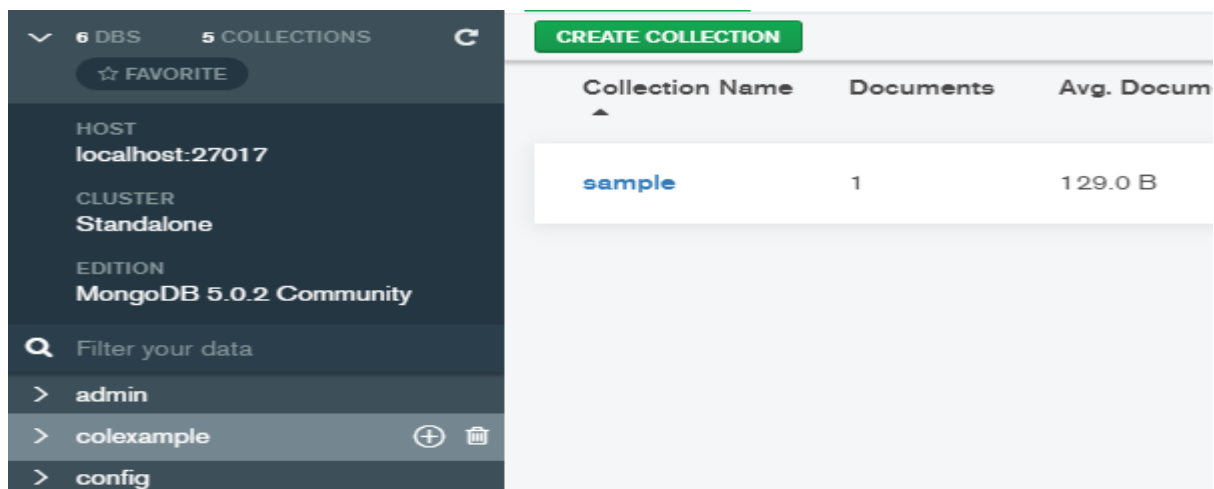
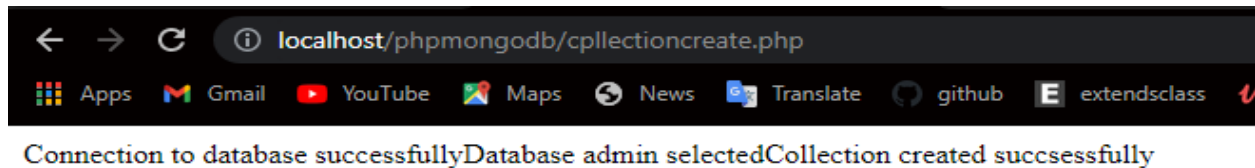
```
<?php
require 'vendor/autoload.php';
$m = new MongoDB\Client("mongodb://localhost:27017");
// connect to mongodb

echo "Connection to database successfully";
// select a database

$db = $m->coexample;
echo "Database admin selected";

$collection = $db->createCollection("sample");
echo "Collection created successfully";
?>
```

Output:



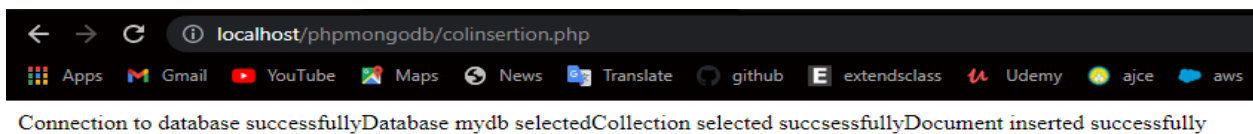
Collection Insertion:

```
<?php
// connect to mongodb
require 'vendor/autoload.php';
$m = new MongoClient("mongodb://localhost:27017");
echo "Connection to database successfully";
$db = $m->colexample;
echo "Database mydb selected";
$collection = $db->sample;
echo "Collection selected successfully";

$document = array(
    "title" => "class",
    "description" => "students",
    "likes" => 1000,
    "url" => "http://www.apple.com/mongodb/",
    "by" => "apple"
);

$collection->insertOne($document);
echo "Document inserted successfully";
?>
```

Output:



colexample.sample

Documents

Aggregations

Schema

Explain Plan

Indexes

FILTER { field: 'value' }

ADD DATA



VIEW



```
_id: ObjectId("614dec09d04600002a0023b5")
title: "class"
description: "students"
likes: 1000
url: "http://www.apple.com/mongodb/"
by: "apple"
```

Selection:

```
<?php
require 'vendor/autoload.php';
$server = new MongoDB\Client("mongodb://localhost:27017/test");
$data = "<table style='border:1px solid red;";
$data .= "border-collapse:collapse' border='1px'>";
$data .= "<thead>";
$data .= "<tr>";
$data .= "<th>title</th>";
$data .= "<th>description</th>";
$data .= "<th>likes</th>";
$data .= "<th>url</th>";
$data .= "<th>by</th>";
$data .= "</tr>";
$data .= "</thead>";
$data .= "<tbody>";

try{
    $db = $server->colexample;
    $collection = $db->sample;
    $cursor = $collection->find();
```

```

foreach($cursor as $document){
    $data .= "<tr>";
    $data .= "<td>" . $document["title"] . "</td>";
    $data .= "<td>" . $document["description"] . "</td>";
    $data .= "<td>" . $document["likes"] . "</td>";
    $data .= "<td>" . $document["url"] . "</td>";
    $data .= "<td>" . $document["by"] . "</td>";
    $data .= "</tr>";
}
$data .= "</tbody>";
$data .= "</table>";
echo $data;
}
catch(MongoException $mongoException){
    print $mongoException;
    exit;
}

```

Output:

