/*Practical No : 10
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// WRITE A PROGRAM TO IMPLEMENT MONGODB DATABASE CONECTIVETY TO PHP

```php
<?php
// Step 1: Connect to MongoDB
try {
    // Establish connection to MongoDB
    $manager = new MongoDB\Driver\Manager("mongodb://localhost:27017");
    echo "Connection to MongoDB established successfully.<br>";

    // Define database and collection
    $dbName = 'mydb';
    $collectionName = 'mycol';

    // Step 2: Insert a Document (CREATE)
    echo "<br>Inserting a document...<br>";
    $bulk = new MongoDB\Driver\BulkWrite;
    $document = [
        '_id' => new MongoDB\BSON\ObjectID,
        'title' => 'MongoDB',
        'description' => 'database',
        'likes' => 100,
        'url' => 'http://www.mongodb.com/',
        'by' => 'JIT'
    ];
    $bulk->insert($document);
    $manager->executeBulkWrite("$dbName.$collectionName", $bulk);
    echo "Document inserted successfully.<br>";

    // Step 3: Retrieve All Documents (READ)
    echo "<br>Retrieving all documents...<br>";
    $query = new MongoDB\Driver\Query([]);
    $rows = $manager->executeQuery("$dbName.$collectionName", $query);
    foreach ($rows as $doc) {
        echo "Title: " . $doc->title . "<br>";
    }

    // Step 4: Update a Document (UPDATE)
    echo "<br>Updating a document...<br>";
    $bulk = new MongoDB\Driver\BulkWrite;
    $bulk->update(
        ['title' => 'MongoDB'],
        ['$set' => ['title' => 'MongoDBNew']],
        ['multi' => false, 'upsert' => false]
    );
    $manager->executeBulkWrite("$dbName.$collectionName", $bulk);
    echo "Document updated successfully.<br>";
```

```php
    // Display updated document
    $rows = $manager->executeQuery("$dbName.$collectionName", $query);
    echo "Updated documents:<br>";
    foreach ($rows as $doc) {
        echo "Title: " . $doc->title . "<br>";
    }

    // Step 5: Delete a Document (DELETE)
    echo "<br>Deleting a document...<br>";
    $bulk = new MongoDB\Driver\BulkWrite;
    $bulk->delete(['title' => 'MongoDBNew'], ['limit' => 1]);
    $manager->executeBulkWrite("$dbName.$collectionName", $bulk);
    echo "Document deleted successfully.<br>";

    // Display remaining documents
    $rows = $manager->executeQuery("$dbName.$collectionName", $query);
    echo "Remaining documents:<br>";
    foreach ($rows as $doc) {
        echo "Title: " . $doc->title . "<br>";
    }

} catch (MongoDB\Driver\Exception\Exception $e) {
    echo "Error: " . $e->getMessage();
}
?>
```