

Php and mongoDB Sample Project Tutorial



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CONTENT

How to create a sample application with php is explained in this tutorial.

- Creating environment with Php
- Connecting MongoDB database
- Accessing database through Php
- Displaying and inserting data to database.

What is Php?

PHP is a programming language created for server-side communications. For this reason, it can perform server-side functions such as collecting data, managing files on the server, editing databases. It is most commonly used for web development. Self-managed dynamic websites can be created with PHP. It is an open source programming language.

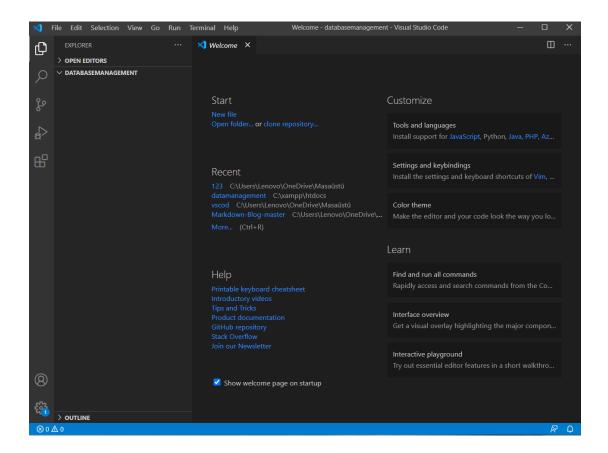
What is MongoDB?

MongoDB is an open source NoSQL (Not only SQL) database application. Its primary feature is scalable. Since the data is stored as JSON, even if the structure of the incoming data changes, there is no problem in saving.

Also use Visual Studio Code



Creating Environment

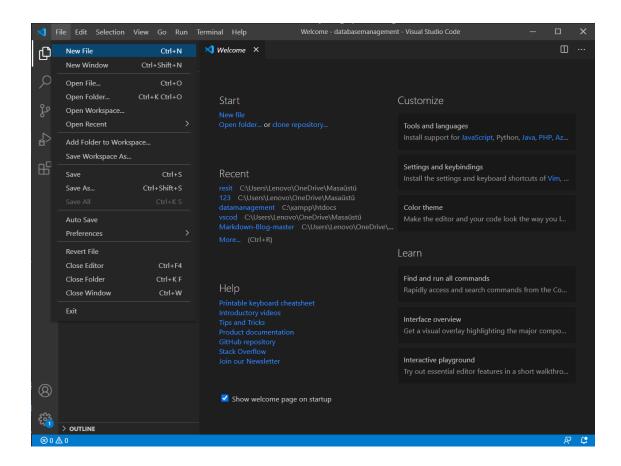


Firstly;

File → Open Folder

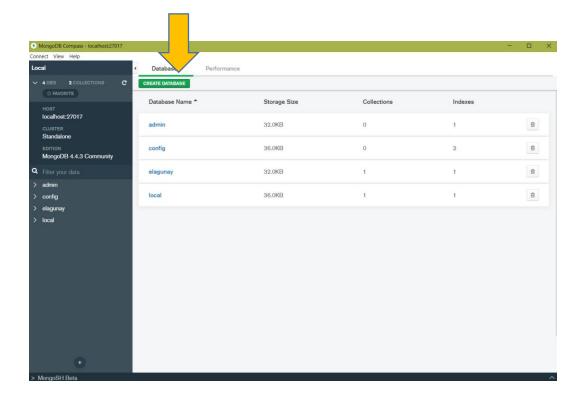
Then select the directory.

Coding Stages



Right click on the left panel and click to "New File" and type "index.php" as file name.

Designing Database



Open MongoDB Compass

Connect \rightarrow Connect To \rightarrow Fill in connection fields individually \rightarrow Create Database

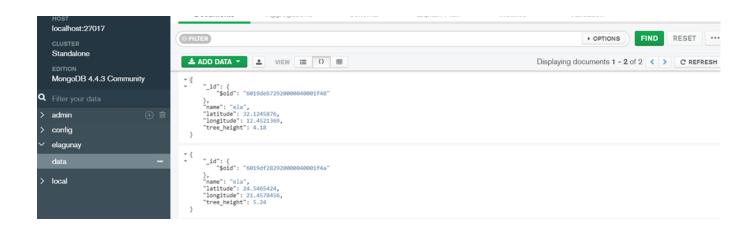
Create Database named "treetest"

Create table named "trees"

Create Database Database Name treetest Collection Name trees Capped Collection Use Custom Collation Before MongoDB can save your new database, a collection name must also be specified at the time of creation. More Information

Create Columns named with names:

- →name
- → latitude
- →longitude
- →height



Coding

https://github.com/elagunay/php-mongoDBtutorial

Index.php:

https://github.com/elagunay/php-mongoDBtutorial/blob/main/index.php

Detail.php:

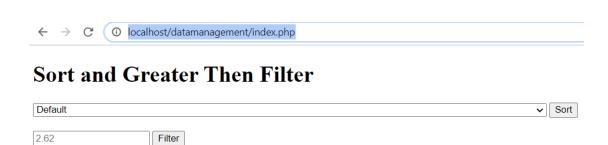
https://github.com/elagunay/php-mongoDBtutorial/blob/main/detail.php

By running XAMPP Control Panel and start from apache must be selected.

Finally this project can be reached here



Filtering



Table

Name	Latitude	Longitude	Tree Height	Process
ela	32.1245876	12.4521369	4.18	Update Delete
ela	24.5465424	21.4578456	5.24	Update Delete

Provided to enter data and update, delete.

Input Tree

Name:
Name
Latitude:
39.7323452
Longitude:
32.1234125
Tree Height:
5.23
Submit
Inserted successfully!

Data is entered and submitted so it is saved in the database.

End of the Project