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dat Anignment 3

on backend and any front and from PHP/python/ JAVA

A Jo leasn connectively of Mongo DB as backened and

Python / PHP / JAVA as a front and

Jo execute Create, Read, Update & Delete (CRUB)

speciations using Python / PHP / JAVA

Problem Statement: Perform database connectivity with MongoB as backend and any frontend from PHP/ Python/TAVA for a scutable application domain

Theory:

- Subroduction to Pymongo.

 Pymongo is a python distribution which provides tools to work with MongoDB it is most preffered way to cornect with MongoDB database from Bython
- Stablishing connection

 or use mongoclient instance and specific database name. If database doesn't exists it will create it and connect it

 from pymongo import Mongoclient

 client = Mongoclient ("localhost", 27017)

 The above code will connect to default host and port.

- Accessing Databose

 db = client ['datamap']

 in pymongo dictionaries are used to represent

 documents
- Diserting documents

 We use insert-one() method when document is inserted a special key-id is generated and is unique to this document.
- find one returns a single document matching query as one if it clossit exists, it returns first match for finding all the documents in collection using the find method
- Document can be updated using update one () first
 parameter taken by this function is a query object
 define document to be updated. If there are more
 than one then only the first one is updated
- Deleting Documents.

 delete One() is used to delete the document in Mongo DB. The first parameter for this method is query object.
- → Dropping collection
 article. drop()

Enput: Python/program to create, read, update and clutete the operation for sustable application

Output: Execution of CRUD operations from python as a front end and MongoDB as backened for suitable applications

Platform: Windows

FAQS

1 what is Pymongo

Pymongo is a python distribution containing tools for working with Mongo DB and is recommended way to work with Mongo DB

2 what is Mongo engine?

Mongo engine is a python library that acts as object document mapped with mongo DB, a No.SQL database. It uses simple declaration API similar to the Django ORM

3 what is the purpose of following statement?

from pymongo import Mongoclient

Jo establishe a connection to Mongo DB with pymongo
we use the Mongoclient user. Pymongo is the
inbuilt python package through which one can
import mongo client