**MONGODB**

SQL: Structure query language

RDBMS: Relational database management system

Database: collection of data in a structured way

**What is noSql?**

A nosql database is a key value database

It is not is the form of table.

Different types of nosql are: MongoDB, Amazon DocumenrDb, Google Datastore, Amazon DynamoBd ect.

Extremely useful,powerful and high performance database in largr big data applications, large distributed network architure apps ect.

**What is mongoDB:**

Open and free source,cross platform(any platform can run),

It used Json-like document with schema

**MongoDb Storage or Size we can store:**

The maximum size an individual document can be in MongoDB is **16MB with a nested depth of 100 levels**

**The maximum size of database that we can store is that 1TB to 32TB.**

**What Mongodb is not?**

* It is not a RDMS
* Doesnot have any concept of Joins.
* Not tough or complicated.

**Languages supports:**

PHP,Node Js, Python, java, c#, C++

**Why learn MongoDB?**

* It doesnot contain any schema and does not contain any relational database.
* And easy to under stand.
* It gives the quick response while we search any data.

**IN mongo db :-**

* Database
* Collections
* Documents:

In Document can have any data type – long as it is valid mongodb data type

It is simply key-value pair data

Example: {

“firstname”: “kiran”,

“lastname”:”Kollana”,

“Email”: “Kollanakiran@gamil.com”

},

{

“firstname”: “alekhya”,

“lastname”:”annamraju”,

“Email”: [annamrajualekhya@gamil.com](mailto:annamrajualekhya@gamil.com)

};

**Collections:**

It’s a set of documents

Can have any number of documents

Documents can have any dynamic schema

They can be same or different

No join concept

**Database:**

Sing collection or more collections

**Queries :**

**Creating and dropping data base:**

* Show database; :- it show the data in our database.
* Use databasename(CMR) :use to switch into CMR data base.
* Db: it shows in which database we are in.
* Db.dropDatabase(); :-it used to deleted the database in which we are present.
* To drop a database, first we need to select the DB

---use (database – name>

---db.dropDatabase();

**Creating and dropping collections:**

**Db.createCollection(“< name of collection”);:-creating collections in database.**

**Db.collectionName.drop():- dropped the collection from the database.**