**MongoDB**

**MongoDB installation**

**Step 1)**Download MongoDB Community Server

Go to link and Download MongoDB Community Server. We will install the 64-bit version for Windows

<https://www.mongodb.com/docs/manual/tutorial/install-mongodb-on-windows/>

**Step 2:** When the download is complete open the msi file and click the *next button* in the startup screen:

**Step 3:** Now accept the End-User License Agreement and click the next button:

**Step 4:** Now select the *complete option*to install all the program features. Here, if you can want to install only selected program features and want to select the location of the installation, then use the*Custom option:*

**Step 5:**Select “Run service as Network Service user” and copy the path of the data directory. Click Next:

**Step 6:** Click the*Install button* to start the installation process:

**Step 7:**After clicking on the install button installation of MongoDB begins:

**Step 8:** Now clickthe *Finish button*to complete the installation process:

**Step 9:** Now we go to the location where MongoDB installed in step 5 in your system and copy the bin path:

**Step 10:** Now, to create an environment variable open system properties << Environment Variable << System variable << path << Edit Environment variable and paste the copied link to your environment system and click Ok:

**Step 11:**After setting the environment variable, we will run the MongoDB server, i.e. mongodb.  So, open the command prompt and run the following command:

**Step 12:** Now, Open C drive and create a folder named “data” inside this folder create another folder named “db”. After creating these folders. Again open the command prompt and run the following command:

**Basic curd operations**

**create**

> use test

switched to db test

> db.createCollection("Employee")

{ "ok" : 1 }

**insert**

> db.Employee.insert({"empid":"648","ename":"priya","salary":"20000"})

WriteResult({ "nInserted" : 1 })

> db.Employee.insert({"empid":"656","ename":"jhon","salary":"30000","age":"30"})

WriteResult({ "nInserted" : 1 })

> db.Employee.insert({"empid":"626","ename":"jhon","salary":"22000"})

WriteResult({ "nInserted" : 1 })

> db.Employee.insert({"empid":"626","ename":"diya","age":"29"})

WriteResult({ "nInserted" : 1 })

> db.Employee.insert({"empid":"625","ename":"jaya","age":"26"})

WriteResult({ "nInserted" : 1 })

**read**

> db.Employee.find().pretty();

{

"\_id" : ObjectId("62749e133746ff8913f42fae"),

"empid" : "648",

"ename" : "priya",

"salary" : "20000"

}

{

"\_id" : ObjectId("62749e533746ff8913f42faf"),

"empid" : "656",

"ename" : "jhon",

"salary" : "30000",

"age" : "30"

}

{

"\_id" : ObjectId("62749eac3746ff8913f42fb0"),

"empid" : "626",

"ename" : "jhon",

"salary" : "22000"

}

{

"\_id" : ObjectId("62749f5c3746ff8913f42fb1"),

"empid" : "626",

"ename" : "diya",

"age" : "29"

}

{

"\_id" : ObjectId("62749f803746ff8913f42fb2"),

"empid" : "625",

"ename" : "jaya",

"age" : "26"

}

**update**

> db.Employee.update({"ename":"jaya"},{$set:{commission:2000}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

**remove**

> db.Employee.remove({"ename":"diya"})

WriteResult({ "nRemoved" : 1 })

> db.Employee.find().pretty()

{

"\_id" : ObjectId("62749e133746ff8913f42fae"),

"empid" : "648",

"ename" : "priya",

"salary" : "20000"

}

{

"\_id" : ObjectId("62749e533746ff8913f42faf"),

"empid" : "656",

"ename" : "jhon",

"salary" : "30000",

"age" : "30"

}

{

"\_id”: ObjectId("62749eac3746ff8913f42fb0"),

"Empid" : "626",

"ename" : "jhon",

"salary" : "22000"

}

{

"\_id" : ObjectId("62749f803746ff8913f42fb2"),

"empid" : "625",

"ename" : "jaya",

"age" : "26",

"commission" : 2000

}