**Indexing**

// Creating Server Connections

C:\mongo\bin>

C:\mongo\bin> cd \

C:\>

C:\> cd C:\mongo\bin

C:\mongo\bin>mongod

// Creating a client

C:\Users\admin1>

C:\Users\admin1>cd \

C:\>

C:\> cd C:\mongo\bin

C:\mongo\bin>mongo

//Create Database in Client

db

test

use mydb

Create Collection

> db.createCollection("student12")

Insert Documents in Collection

> db.student12.insert({name:"amit",Roll\_no:1,sub:"TOC",Marks:80})

WriteResult({ "nInserted" : 1 })

> db.student12.insert({name:"amita",Roll\_no:2,sub:"TOC",Marks:100})

WriteResult({ "nInserted" : 1 })

> db.student12.insert({name:"ram",Roll\_no:3,sub:"TOC",Marks:90})

WriteResult({ "nInserted" : 1 })

> db.student12.insert({name:"ramesh",Roll\_no:4,sub:"TOC",Marks:95})

WriteResult({ "nInserted" : 1 })

> db.student12.insert({name:"amit",Roll\_no:1,sub:"DBMS",Marks:70})

WriteResult({ "nInserted" : 1 })

> db.student12.insert({name:"Swami",Roll\_no:5,sub:"DBMS",Marks:80})

WriteResult({ "nInserted" : 1 })

> db.student12.insert({name:"SwamiRaj",Roll\_no:6,sub:"DBMS",Marks:10})

WriteResult({ "nInserted" : 1 })

> db.student12.find();

> db.student12.ensureIndex({Roll\_no:1})

{

"createdCollectionAutomatically" : false,

"numIndexesBefore" : 2,

"numIndexesAfter" : 3,

"ok" : 1

}

> db.student12.find({Rollno:7}).explain();

> db.abc.find().explain();