**Node.js Mongoose Modules**

Node.js Mongoose is a MongoDB object modeling tools designed to work in an asynchronous environment.

With the help of Mongoose, we can model our data.

First install the mongoose module

**npm install -g mongoose**

or

**npm install mongoose --save**

To connect the MongoDB from Node.js using Mongoose package, call connect() function on the variable referncing to mongoose, with the MongoDB database URI passed as argument to the function.

var obj = require("mongoose")

var uri ="mongodb://localhost:27017/test";

obj.connect(uri);

Now we have to get the reference to database.

To get the reference to the database specified, use connection() function of mongoose reference.

**Is connection successfully**

var obj = require("mongoose")

var uri ="mongodb://localhost:27017/test";

obj.connect(uri);

var db = obj.connection;

db.on("error",function(err){

console.log("Error generated "+err)

})

db.once("open",function() {

console.log("Connected...")

})

db.close();

**Mongoose - Define a model**

To define a model, derived a custom schema from Mongoose's Schema and compile the schema to a model.

**Derived a custom Schema**

Following is an example where we derived a custom Schema from Mongoose's Schema

var EmpSchema = obj.Schema({

\_id:Number,

name:String,

salary:Number

})

**Compile Schema to Model**

Once we derived a custom schema, we could compile it to a model

Following is an example where we define a model named

Emp with the help of EmpSchema

var Emp = obj.model("Emp",EmpSchema,collectionName)

var Emp = obj.model("Emp",EmpSchema,"Emp")

**Initialize a Document**

We may now use the model to initialize documents of the Model.