

Assignment 2

Create Database using Extended JSON with its different datatype in BSON

```
Command Prompt - mongo
Microsoft Windows [Version 10.0.19043.1645]
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C:\Users\Dinesh>mongo
MongoDB shell version v5.0.7
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("53ed7416-0aff-4b97-8df1-fe261bdf00a") }
MongoDB server version: 5.0.7

=====
Warning: the "mongo" shell has been superseded by "mongosh",
which delivers improved usability and compatibility. The "mongo" shell has been deprecated and will be removed in
an upcoming release.
For installation instructions, see
https://docs.mongodb.com/mongodb-shell/install/
=====

The server generated these startup warnings when booting:
  2022-04-18T09:39:13.986+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
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  Enable MongoDB's free cloud-based monitoring service, which will then receive and display
  metrics about your deployment (disk utilization, CPU, operation statistics, etc).

  The monitoring data will be available on a MongoDB website with a unique URL accessible to you
  and anyone you share the URL with. MongoDB may use this information to make product
  improvements and to suggest MongoDB products and deployment options to you.

  To enable free monitoring, run the following command: db.enableFreeMonitoring()
  To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
-----

> show dbs
Dinesh  0.000GB
Test    0.000GB
admin   0.000GB
config  0.000GB
local   0.000GB
> use dt
switched to db dt
> show dbs
Dinesh  0.000GB
Test    0.000GB
```

```
Command Prompt - mongo
> use dt
switched to db dt
> show dbs
Dinesh  0.000GB
Test    0.000GB
admin   0.000GB
config  0.000GB
local   0.000GB
> db.createCollection("types");
{ "ok" : 1 }
> db.types.insert({"INTEGER":19});
WriteResult({"nInserted" : 1 })
> db.types.insertMany([{"BOOLEAN":true}, {"DOUBLE":19.112}, {"STRING":"DINESH MADDINENI"}]);
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("625d8a52a9237321dd9b9e1a"),
    ObjectId("625d8a52a9237321dd9b9e1b"),
    ObjectId("625d8a52a9237321dd9b9e1c")
  ]
}
> var arrays=["Dinesh","Sunil","Chandu","Sekhar","Phani"]
> db.types.insert({"names":"array"});
WriteResult({"nInserted" : 1 })
> db.types.find();
{ "_id" : ObjectId("625d89b5a9237321dd9b9e19"), "INTEGER" : 19 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1a"), "BOOLEAN" : true }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1b"), "DOUBLE" : 19.112 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1c"), "STRING" : "DINESH MADDINENI" }
{ "_id" : ObjectId("625d8b0da9237321dd9b9e1d"), "names" : "array" }
> db.types.insert({"names":"Given names","names":array});
WriteResult({"nInserted" : 1 })
> db.types.find();
{ "_id" : ObjectId("625d89b5a9237321dd9b9e19"), "INTEGER" : 19 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1a"), "BOOLEAN" : true }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1b"), "DOUBLE" : 19.112 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1c"), "STRING" : "DINESH MADDINENI" }
{ "_id" : ObjectId("625d8b0da9237321dd9b9e1d"), "names" : [ "Dinesh", "Sunil", "Chandu", "Sekhar", "Phani" ] }
> var companies={"Thundersoft":4.5,"Mindtree":4.0,"CGI":4.5,"Hcl":4.25,"capgemini":4.0,"Wipro":3.5,"Infy":3.6}
> db.types.insert({"Companies":"Selected Companies","Companies":companies});
WriteResult({"nInserted" : 1 })
```

Command Prompt - mongo

```
> db.types.find();
{ "_id" : ObjectId("625d89b5a9237321dd9b9e19"), "INTEGER" : 19 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1a"), "BOOLEAN" : true }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1b"), "DOUBLE" : 19.112 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1c"), "STRING" : "DINESH MADDOINENI" }
{ "_id" : ObjectId("625d8b90a9237321dd9b9e1e"), "names" : [ "Dinesh", "Sunil", "Chandu", "Sekhar", "Phani" ] }
> var companies={"Thundersoft":4.5,"Mindtree":4.0,"CGI":4.5,"Hcl":4.25,"capgemini":4.0,"Wipro":3.5,"Infy":3.6}
> db.types.insert({"Companies":"Selected Companies","Companies":companies});
WriteResult({"nInserted" : 1 })
> db.types.find();
{ "_id" : ObjectId("625d89b5a9237321dd9b9e19"), "INTEGER" : 19 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1a"), "BOOLEAN" : true }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1b"), "DOUBLE" : 19.112 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1c"), "STRING" : "DINESH MADDOINENI" }
{ "_id" : ObjectId("625d8b90a9237321dd9b9e1e"), "names" : [ "Dinesh", "Sunil", "Chandu", "Sekhar", "Phani" ] }
{ "_id" : ObjectId("625d8c5fa9237321dd9b9e1f"), "Companies" : { "Thundersoft" : 4.5, "Mindtree" : 4, "CGI" : 4.5, "Hcl" : 4.25, "capgemini" : 4, "Wipro" : 3.5, "Infy" : 3.6 } }
> db.types.insert({"Email":null});
WriteResult({"nInserted" : 1 })
> var date=new Date()
> var date2=ISODate()
> var month=date2.getMonth()
> db.TestCollection.insert({"Date":date, "Date2":date2, "Month":month});
WriteResult({"nInserted" : 1 })
> db.types.find();
{ "_id" : ObjectId("625d89b5a9237321dd9b9e19"), "INTEGER" : 19 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1a"), "BOOLEAN" : true }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1b"), "DOUBLE" : 19.112 }
{ "_id" : ObjectId("625d8a52a9237321dd9b9e1c"), "STRING" : "DINESH MADDOINENI" }
{ "_id" : ObjectId("625d8b90a9237321dd9b9e1e"), "names" : [ "Dinesh", "Sunil", "Chandu", "Sekhar", "Phani" ] }
{ "_id" : ObjectId("625d8c5fa9237321dd9b9e1f"), "Companies" : { "Thundersoft" : 4.5, "Mindtree" : 4, "CGI" : 4.5, "Hcl" : 4.25, "capgemini" : 4, "Wipro" : 3.5, "Infy" : 3.6 } }
{ "_id" : ObjectId("625d8ca5a9237321dd9b9e20"), "Email" : null }
>
```

Type here to search

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18-04-2022