NO SQL DATA TYPES

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1. DOUBLE

The double data type is used to store floating point values.

2. String

This is the most commonly used MongoDB data types, BSON strings are UTF-8.

```
> use dataflair
switched to db dataflair
> use newfile
switched to db newfile
> db.newfile.insert({Document:"Data types in MongoDB"})
WriteResult({ "nInserted" : 1 })
> db.newfile.find()
{ "_id" : ObjectId("66a10be0c57da8e390620c5c"), "Document" : "Data types in MongoDB" }
```

3. OBJECT

Object data type stores embedded documents. If a document contains another document in the

form of the key-value pair then such type of document is known as an embedded document.

4. ARRAY

```
> var files1=["Ram","Shyam","Karan"]
> var files2=["talib","musaib","vinit",47,33,44]
> var files3=["paaji","harsh","tariq",40,new Date()]
> db.newfiles1.insert({value1:files1,value2:files2,value3:files3})
WriteResult({ "nInserted" : 1 })
> db.newfiles1.find().pretty()
                 "_id" : ObjectId("66a11069c57da8e390620c5e"),
                "value1" : [
                               "Ram",
                                "Shyam",
                                "Karan"
               ],
"value2" : [
"talib",
                               "musaib",
                                "vinit",
                               47,
                               33,
                               44
                ],
"value3" : [
"paa"
                               "paaji",
"harsh",
                                "tariq",
                               40,
ISODate("2024-07-24T14:27:47.145Z")
                ]
```

5. BINARY DATA

6. UNDEFINED

7. OBJECT ID

```
> var id=ObjectId()
> db.newfile.insert({_id:id,Name:"Name file",Topic:"MONGODB DATA TYPE"})
WriteResult({ "nInserted" : 1 })
> db.newfile.find().pretty()
         "_id" : ObjectId("66a10be0c57da8e390620c5c"),
         "Document" : "Data types in MongoDB"
Ę
         "_id" : ObjectId("66a10e25c57da8e390620c5d"),
         "system" : "Windows",
         "archiotecture" : 65,
         "diskspace" : "512GB<sup>''</sup>,
         "server" : {
                  "writer" : "Dheeraj",
"credit" : 4.4,
"publication" : "The story of bestfriends"
         }
مهر دس
         "_id" : ObjectId("66a12b10c57da8e390620c62"),
         "Name" : "Name file",
"Topic" : "MONGODB DATA TYPE"
```

8. BOOLEAN

9. DATE

```
> var date1=Date()
> var date2=newDate()
uncaught exception: ReferenceError: newDate is not defined :
@(shell):1:5
> var date2=new Date()
> var date3=new ISODate()
> db.newfile3.insert({_id:ObjectId(),Date1:date1,Date2:date2,Date3:date3})
WriteResult({ "nInserted" : 1 })
> db.newfile3.find().pretty()
{
        "_id" : ObjectId("66a12cf8c57da8e390620c64"),
        "Date1" : "Wed Jul 24 2024 22:00:43 GMT+0530 (India Standard Time)",
        "Date2" : ISODate("2024-07-24T16:31:19.913Z"),
        "Date3" : ISODate("2024-07-24T16:31:42.089Z")
}
```

10. NULL

11. REGULAR EXPRESSION

12. JAVA SCRIPT

```
> db.newfiles6.insert({Data_num:12,code:"function(){var x;x=6}",scope:{}})
WriteResult({ "nInserted" : 1 })
> db.newfile6.find().pretty()
> db.newfiles6.find().pretty()
{
        "_id" : ObjectId("66a12f99c57da8e390620c67"),
        "Data_num" : 12,
        "code" : "function(){var x;x=6}",
        "scope" : {
     }
}
```

13. SYMBOL

```
> var symbol="ah&^5"
> db.model5.insert({_id:ObjectId(),Sym:symbol})
WriteResult({ "nInserted" : 1 })
> db.model5.find().pretty()
{ "_id" : ObjectId("66a13030c57da8e390620c68"), "Sym" : "ah&^5" }
```

14. JavaScript with Scope

15. INTEGET

```
> var int = 47
> db.new_file.insert({Student_Name:"Dheeraj",Programmes:int})
WriteResult({ "nInserted" : 1 })
> db.new_file.find().pretty()
{
        "_id" : ObjectId("66a131a2c57da8e390620c6a"),
        "Student_Name" : "Dheeraj",
        "Programmes" : 47
}
```

16. TIMESTAMP

```
> var time_stamp=new Timestamp()
> time_stamp
Timestamp(0, 0)
> db.Time_stamp.insert({Id:234,stamp:time_stamp})
WriteResult({ "nInserted" : 1 })
> db.Time_stamp.find().pretty()
{
        "_id" : ObjectId("66a1323ac57da8e390620c6b"),
        "Id" : 234,
        "stamp" : Timestamp(1721840186, 1)
}
```

17. MIN & MAX KEY