

Task: CRUD operations in document database

Aim:

To design and perform CRUD operation on a hospital document database using MongoDB

CRUD operations:

```
> db.createCollection ("hospital_records")
{ "ok" : 1 }

> db.hospital_records.insertOne ({
  patient_name : "Ravi Kumar",
  age : 45,
  department : "Cardiology",
  doctor : "Dr. Sharma",
  room_no : 210
})

{
  "acknowledged" : true,
  "insertedId" :
    ObjectId ("66f5a4d2b73a90c074e6397c")
}

> db.hospital_records.find ({ patient_name : "Ravi Kumar" })

{
  "_id" : ObjectId ("66f5a4d2b73a90c074e6397c"),
  "patient_name" : "Ravi Kumar",
  "age" : 45,
  "department" : "Cardiology",
  "doctor" : "Dr. Sharma",
  "room_no" : 210
}

> db.hospital_records.find ({ patient_name : "Ravi Kumar" })

> db.hospital_records.insertMany ([
  { patient_name : "Priya Devi", age : 30,
    department : "Orthopedics", doctor : "Dr. Rao",
    room_no : 15 }
])
```

if patient - name: "Anil kumar", age: 52,
department: "Neurology", doctor: "Dr. Menon",
room_no: 3203

if patient - name: "Sita Rani", age: 26,
department: "Pediatrics", doctor: "Dr. Prigali",
room_no: 1023

})

{

"acknowledged": true

"insertedIds": [

objectId("66f5a4e8b73a90c074e6397d"),

objectId("66f5a4e8b73a90c074e6397e"),

objectId("66f5a4e8b73a90c074e6397f")

}]

}

> db.hospital_records.find({

patient_name: "Ravi Kumar",

department: "Cardiology",

objectId("66f5a4d2b73a90c074e6397c"),

patient_name: "Priya Devi",

department: "Orthopedics",

objectId("66f5a4e8b73a90c074e6397d"),

patient_name: "Anil kumar",

department: "Neurology",

objectId("66f5a4e8b73a90c074e6397e"),

patient_name: "Sita Rani",

department: "Pediatrics",

objectId("66f5a4e8b73a90c074e6397f")

})

> db.hospital_records.deleteOne({

patient_name: "Priya Devi"})

VELTECH	
EX No.	10
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	15
SIGN WITH DATE	13/1/16

Result:

CRUD operations such as Create, insert, query, and delete were successfully performed on the Hospital management database using MongoDB.