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Roll No : CO3B06

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ASSIGNMENT-9

Aim :Design and Develop MongoDB queries using CRUD operations.(Use CRUD operations,SAVE method,logical operations).

(base) sspm@sspm:~$ sudo su [sudo] password for sspm:

root@sspm:/home/sspm# mongo

> use emp; switched to db emp

**Create :**

> db.createCollection('student')

{ "ok" : 1 }

**Insert document :**

> db.student.insert({s\_id:301,name:'Ekta',class:'TE',marks:70})

WriteResult({ "nInserted" : 1 })

> db.student.insert({s\_id:302,name:'Pranav',class:'FE',marks:80})

WriteResult({ "nInserted" : 1 })

> db.student.insert({s\_id:303,name:'Swara',class:'SE',marks:75})

WriteResult({ "nInserted" : 1 })

> db.student.insert({s\_id:304,name:'Prachi',class:'BE',marks:65})

WriteResult({ "nInserted" : 1 })

> db.student.insert({s\_id:305,name:'Ankita',class:'ME',marks:85}) WriteResult({ "nInserted" : 1 }) **Show document :**

> db.student.find().pretty()

{

"\_id" : ObjectId("6708ec00cb506a508241e07a"),

"s\_id" : 301,

"name" : "Ekta",

|  |  |
| --- | --- |
|  | "class" : "TE",  "marks" : 70 |
| }  { | "\_id" : ObjectId("6708ec1dcb506a508241e07b"),  "s\_id" : 302,  "name" : "Pranav",  "class" : "FE",  "marks" : 80 |
| }  { | "\_id" : ObjectId("6708ec48cb506a508241e07c"),  "s\_id" : 303,  "name" : "Swara",  "class" : "SE",  "marks" : 75 |
| }  { | "\_id" : ObjectId("6708ec68cb506a508241e07d"),  "s\_id" : 304,  "name" : "Prachi",  "class" : "BE",  "marks" : 65 |
| }  {            } | "\_id" : ObjectId("6708ec84cb506a508241e07e"),  "s\_id" : 305,  "name" : "Ankita",  "class" : "ME",  "marks" : 85 |

**Remove :**

> db.student.remove({s\_id:304})

WriteResult({ "nRemoved" : 1 })

> db.student.find().pretty()

{

"\_id" : ObjectId("6708ec00cb506a508241e07a"),

"s\_id" : 301,

"name" : "Ekta",

"class" : "TE",

"marks" : 70

}

{

"\_id" : ObjectId("6708ec1dcb506a508241e07b"),

"s\_id" : 302,

"name" : "Pranav",

"class" : "FE",

"marks" : 80

}

{

"\_id" : ObjectId("6708ec48cb506a508241e07c"),

"s\_id" : 303,

"name" : "Swara",

"class" : "SE",

"marks" : 75

}

{

"\_id" : ObjectId("6708ec84cb506a508241e07e"),

"s\_id" : 305,

"name" : "Ankita",

"class" : "ME",

"marks" : 85

}

**Update :**

> db.student.update({s\_id:302,name:'Pranav'},{$set:{s\_id:306,name:'Nita'}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.student.find().pretty()

{

"\_id" : ObjectId("6708ec00cb506a508241e07a"),

"s\_id" : 301,

"name" : "Ekta",

"class" : "TE",

"marks" : 70

}

{

"\_id" : ObjectId("6708ec1dcb506a508241e07b"),

"s\_id" : 306,

"name" : "Nita",

"class" : "FE",

"marks" : 80

}

{

"\_id" : ObjectId("6708ec48cb506a508241e07c"),

"s\_id" : 303,

"name" : "Swara",

"class" : "SE",

"marks" : 75

}

{

"\_id" : ObjectId("6708ec84cb506a508241e07e"),

"s\_id" : 305,

"name" : "Ankita",

"class" : "ME",

"marks" : 85

}

**AND operation :**

> db.student.find({s\_id:303,name:'Swara'}).pretty()

{

"\_id" : ObjectId("6708ec48cb506a508241e07c"),

"s\_id" : 303,

"name" : "Swara",

"class" : "SE",

"marks" : 75

}

**OR operation :**

> db.student.find({$or:[{'s\_id':305,'name':'Ankita'}]}).pretty()

{

"\_id" : ObjectId("6708ec84cb506a508241e07e"),

"s\_id" : 305,

"name" : "Ankita",

"class" : "ME",

"marks" : 85

}