Practical no1

Ex:- 3

show dbs

admin 0.000GB

config 0.000GB

employeedb 0.000GB

local 0.000GB

student1 0.000GB

test 0.000GB

> use Student2

switched to db Student2

> use myDB1

switched to db myDB1

> use Student2

switched to db Student2

> db.Students.insert({\_id:01, StudName:"Michelle Jacintha", Grade: "VII", Hobbies: "Internet Surfing"});

WriteResult({ "nInserted" : 1 })

> db.Students.insert({\_id:02, StudName:"Mabel Mathews", Grade: "VII", Hobbies: "Baseball"});

WriteResult({ "nInserted" : 1 })

> show collections

Students

> db.students.find();

> db.Students.find();

{ "\_id" : 1, "StudName" : "Michelle Jacintha", "Grade" : "VII", "Hobbies" : "Internet Surfing" }

{ "\_id" : 2, "StudName" : "Mabel Mathews", "Grade" : "VII", "Hobbies" : "Baseball" }

> db.Students.find().pretty();

{

"\_id" : 1,

"StudName" : "Michelle Jacintha",

"Grade" : "VII",

"Hobbies" : "Internet Surfing"

}

{

"\_id" : 2,

"StudName" : "Mabel Mathews",

"Grade" : "VII",

"Hobbies" : "Baseball"

}

> db.Students.update({\_id:03, StudName:"Aryan David", Grade: "VII"},{$set:{Hobbies: "Baseball"}},{upsert:true});

WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "\_id" : 3 })

> db.Students.find().find({\_id:3});

uncaught exception: TypeError: db.Students.find(...).find is not a function :

@(shell):1:1

> db.Students.find({\_id:3});

{ "\_id" : 3, "Grade" : "VII", "StudName" : "Aryan David", "Hobbies" : "Baseball" }

> db.Students.find().pretty();

{

"\_id" : 1,

"StudName" : "Michelle Jacintha",

"Grade" : "VII",

"Hobbies" : "Internet Surfing"

}

{

"\_id" : 2,

"StudName" : "Mabel Mathews",

"Grade" : "VII",

"Hobbies" : "Baseball"

}

{

"\_id" : 3,

"Grade" : "VII",

"StudName" : "Aryan David",

"Hobbies" : "Baseball"

}

> db.Students.update({\_id:03, StudName:"Aryan David", Grade: "VII"},{$set:{Hobbies: "Chess"}},{upsert:true});

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

> db.Students.find({\_id:3});

{ "\_id" : 3, "Grade" : "VII", "StudName" : "Aryan David", "Hobbies" : "Chess" }

> db.Students.find().pretty();

{

"\_id" : 1,

"StudName" : "Michelle Jacintha",

"Grade" : "VII",

"Hobbies" : "Internet Surfing"

}

{

"\_id" : 2,

"StudName" : "Mabel Mathews",

"Grade" : "VII",

"Hobbies" : "Baseball"

}

{

"\_id" : 3,

"Grade" : "VII",

"StudName" : "Aryan David",

"Hobbies" : "Chess"

}

> db.Students.save({StudName:"vamsi Bapat", Grade:"VI"})

WriteResult({ "nInserted" : 1 })

>db.Students.find().pretty();

{

"\_id" : 1,

"StudName" : "Michelle Jacintha",

"Grade" : "VII",

"Hobbies" : "Internet Surfing"

}

{

"\_id" : 2,

"StudName" : "Mabel Mathews",

"Grade" : "VII",

"Hobbies" : "Baseball"

}

{

"\_id" : 3,

"Grade" : "VII",

"StudName" : "Aryan David",

"Hobbies" : "Chess"

}

{

"\_id" : ObjectId("632968fb7d6d893dd9bc32f7"),

"StudName" : "vamsi Bapat",

"Grade" : "VI"

}

> db.Students.find();

{ "\_id" : 1, "StudName" : "Michelle Jacintha", "Grade" : "VII", "Hobbies" : "Internet Surfing" }

{ "\_id" : 2, "StudName" : "Mabel Mathews", "Grade" : "VII", "Hobbies" : "Baseball" }

{ "\_id" : 3, "Grade" : "VII", "StudName" : "Aryan David", "Hobbies" : "Chess" }

{ "\_id" : ObjectId("632968fb7d6d893dd9bc32f7"), "StudName" : "vamsi Bapat", "Grade" : "VI" }

> db.Students.update({\_id:04, StudName:"Hersch Gibbs", Grade: "VII"},{$set:{Hobbies: "Graffiti"}},{upsert:false});

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

> db.Students.update({\_id:04, StudName:"Hersch Gibbs", Grade: "VII"},{$set:{Hobbies: "Graffiti"}},{upsert:true});

WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "\_id" : 4 })

> db.Students.find();

{ "\_id" : 1, "StudName" : "Michelle Jacintha", "Grade" : "VII", "Hobbies" : "Internet Surfing" }

{ "\_id" : 2, "StudName" : "Mabel Mathews", "Grade" : "VII", "Hobbies" : "Baseball" }

{ "\_id" : 3, "Grade" : "VII", "StudName" : "Aryan David", "Hobbies" : "Chess" }

{ "\_id" : ObjectId("632968fb7d6d893dd9bc32f7"), "StudName" : "vamsi Bapat", "Grade" : "VI" }

{ "\_id" : 4, "Grade" : "VII", "StudName" : "Hersch Gibbs", "Hobbies" : "Graffiti" }

> db.Students.find({\_id:4}).pretty();

{

"\_id" : 4,

"Grade" : "VII",

"StudName" : "Hersch Gibbs",

"Hobbies" : "Graffiti"

}

> db.Students.update({\_id:4},{$set:{Location:"Newark"}});

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

> db.Students.find({\_id:4}).pretty();

{

"\_id" : 4,

"Grade" : "VII",

"StudName" : "Hersch Gibbs",

"Hobbies" : "Graffiti",

"Location" : "Newark"

}

> db.Students.update({\_id:4}).{$unset:{Location:"Newark"}});

uncaught exception: SyntaxError: missing name after . operator :

@(shell):1:28

> db.Students.update({\_id:4}),{$unset:{Location:"Newark"}});

uncaught exception: SyntaxError: unexpected token: ')' :

@(shell):1:56

> db.Students.update({\_id:4},{$unset:{Location:"Newark"}});

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

> db.Students.find({\_id:4}).pretty();

{

"\_id" : 4,

"Grade" : "VII",

"StudName" : "Hersch Gibbs",

"Hobbies" : "Graffiti"

}

> db.Students.find().pretty();

{

"\_id" : 1,

"StudName" : "Michelle Jacintha",

"Grade" : "VII",

"Hobbies" : "Internet Surfing"

}

{

"\_id" : 2,

"StudName" : "Mabel Mathews",

"Grade" : "VII",

"Hobbies" : "Baseball"

}

{

"\_id" : 3,

"Grade" : "VII",

"StudName" : "Aryan David",

"Hobbies" : "Chess"

}

{

"\_id" : ObjectId("632968fb7d6d893dd9bc32f7"),

"StudName" : "vamsi Bapat",

"Grade" : "VI"

}

{

"\_id" : 4,

"Grade" : "VII",

"StudName" : "Hersch Gibbs",

"Hobbies" : "Graffiti"

}

> db.Students.find({StudName:"Aryan David"});

{ "\_id" : 3, "Grade" : "VII", "StudName" : "Aryan David", "Hobbies" : "Chess" }

> db.Students.find({StudName:"Aryan David"}).pretty():

... db.Students.find({StudName:"Aryan David"});

uncaught exception: SyntaxError: unexpected token: ':' :

@(shell):1:51

> db.Students.find({StudName:"Aryan David"});

{ "\_id" : 3, "Grade" : "VII", "StudName" : "Aryan David", "Hobbies" : "Chess" }

> db.Students.find({StudName:"Aryan David"}).pretty();

{

"\_id" : 3,

"Grade" : "VII",

"StudName" : "Aryan David",

"Hobbies" : "Chess"

}

use Student2

switched to db Student2

> show collections

Students

> db.Students.find({},{StudName:1,\_id:0});

{ "StudName" : "Michelle Jacintha" }

{ "StudName" : "Mabel Mathews" }

{ "StudName" : "Aryan David" }

{ "StudName" : "vamsi Bapat" }

{ "StudName" : "Hersch Gibbs" }

> db.Students.find({},{StudName:1,Grade:1,\_id:0});

{ "StudName" : "Michelle Jacintha", "Grade" : "VII" }

{ "StudName" : "Mabel Mathews", "Grade" : "VII" }

{ "Grade" : "VII", "StudName" : "Aryan David" }

{ "StudName" : "vamsi Bapat", "Grade" : "VI" }

{ "Grade" : "VII", "StudName" : "Hersch Gibbs" }

> db.Students.find({\_id:1},{StudName:1,Grade:1});

{ "\_id" : 1, "StudName" : "Michelle Jacintha", "Grade" : "VII" }

> db.Students.find({\_id:1},{StudName:1,Grade:1,\_id:0});

{ "StudName" : "Michelle Jacintha", "Grade" : "VII" }

> db.Students.find({Grade:{$eq:"VII"}}).pretty();

{

"\_id" : 1,

"StudName" : "Michelle Jacintha",

"Grade" : "VII",

"Hobbies" : "Internet Surfing"

}

db.Students.find({Grade:{$ne:"VII"}}).pretty();

{

"\_id" : ObjectId("632968fb7d6d893dd9bc32f7"),

"StudName" : "vamsi Bapat",

"Grade" : "VI"

}

> db.Students.find({Hobbies:{$in:['Chess','Skating']}}).pretty();

{

"\_id" : 3,

"Grade" : "VII",

"StudName" : "Aryan David",

"Hobbies" : "Chess"

}

> db.Students.find({Hobbies:{$nin:['Chess','Skating']}}).pretty();

{

"\_id" : 1,

"StudName" : "Michelle Jacintha",

"Grade" : "VII",

"Hobbies" : "Internet Surfing"

}

{

"\_id" : 2,

"StudName" : "Mabel Mathews",

"Grade" : "VII",

"Hobbies" : "Baseball"

}

{

"\_id" : ObjectId("632968fb7d6d893dd9bc32f7"),

"StudName" : "vamsi Bapat",

"Grade" : "VI"

}

{

"\_id" : 4,

"Grade" : "VII",

"StudName" : "Hersch Gibbs",

"Hobbies" : "Graffiti"

}

{

"\_id" : 2,

"StudName" : "Mabel Mathews",

"Grade" : "VII",

"Hobbies" : "Baseball"

}

{

"\_id" : 3,

"Grade" : "VII",

"StudName" : "Aryan David",

"Hobbies" : "Chess"

}

{

"\_id" : 4,

"Grade" : "VII",

"StudName" : "Hersch Gibbs",

"Hobbies" : "Graffiti"

}