Mini project exercise for Mongo DB lab

**BASIC SECTION** : How to Use AND Operator in MongoDB

**Dataset:**

Dataset - StudentsDetails2

{

"\_id" : 1,

"std\_name" : "Mukesh",

"Gender" : "Male",

"class" : "VI",

"age" : 11,

"grd\_point" : 33

}

{

"\_id" : 2,

"std\_name" : "Dechamma",

"Gender" : "Female",

"class" : "VI",

"age" : 13,

"grd\_point" : 30

}

{

"\_id" : 3,

"std\_name" : "Akash",

"Gender" : "Male",

"class" : "V",

"age" : 14,

"grd\_point" : 35.1257

}

{

"\_id" : 4,

"std\_name" : "Geetha",

"Gender" : "Female",

"class" : "X",

"age" : 17,

"grd\_point" : 36.2514

}

{

"\_id" : 5,

"std\_name" : "Bhomika",

"Gender" : "Female",

"class" : "X",

"age" : 19,

"grd\_point" : 35.5201

}

{

"\_id" : 6,

"std\_name" : "Nitin",

"Gender" : "Male",

"class" : "V",

"age" : 16,

"grd\_point" : 35.5201

}

**21) Demonstrate Use Of And Operator Displays Record Whose Gender Is Female And Are Studing In X STD --2 Conditions --Use Add Condition.**

db.studentdetails.find({$and: [{ Gender: "Female" },{ class: "X" }]})



**22) Displays Count Regarding How Many Female Students Are There In X Std, Use Add Condition**

db.studentdetails.countDocuments({$and:[{Gender:"Female" },{class: "X" }]})



**23) Demonstrate AND Operator Displays Record Whose Gender Is Male And Are In X STD**

db.studentdetails.find({$and:[{Gender:"Male" },{class: "X"}]})



**24) Displays Count Regarding How Many Male Students Are There In V Std, Use Add Condition**

db.studentdetails.countDocuments({

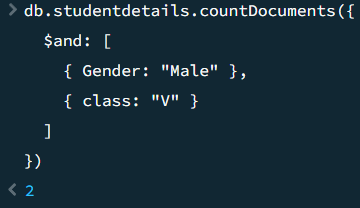
$and: [

{ Gender: "Male" },

{ class: "V" }

]

})



**25) Query To Find Whose Gender Male",grd\_point>=19 And Class=X**

db.studentdetails.find({

$and: [

{ Gender: "Male" },

{ grd\_point: { $gte: 19 } },

{ class: "X" }

]

})

A computer screen shot of white text

AI-generated content may be incorrect.

**26) Displays Students Details Whose Gender Is Female and grade point Greater Than Or Equal To 36 Use Add Condition.**

db.studentdetails.find({

$and: [

{ Gender: "Female" },

{ grd\_point: { $gte: 36 } }

]

})



**27) Displays Students Details Whose grd\_point between 30 and 35, Use Add Condition**

db.studentdetails.find({

$and: [

{ grd\_point: { $gte: 30 } },

{ grd\_point: { $lte: 35 } }

]

})

A screen shot of a computer code

AI-generated content may be incorrect.

**28) Displays Students Details Whose Age Between 20 And 128**

db.studentdetails.find({

$and: [

{ age: { $gte: 20 } },

{ age: { $lte: 128 } }

]

})

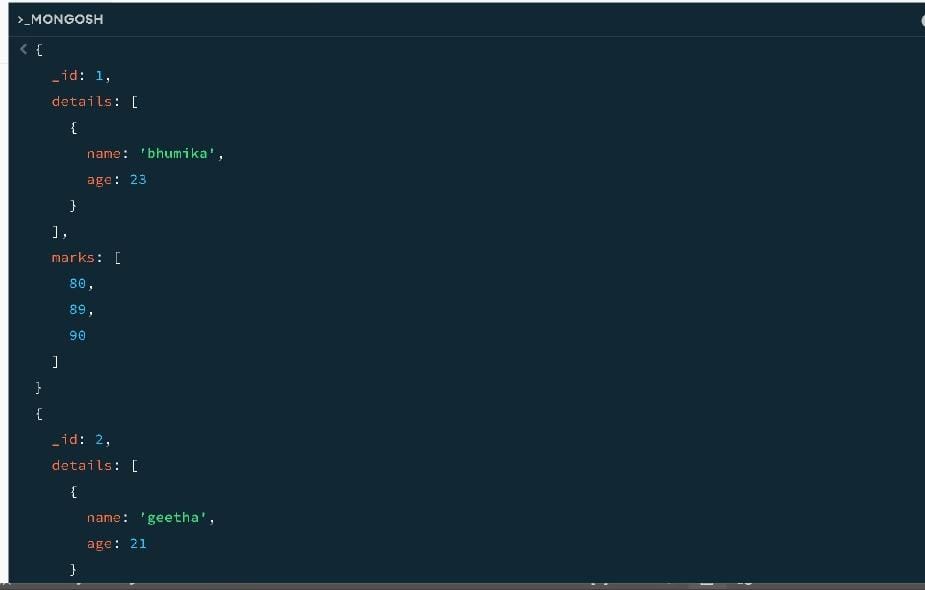
A computer screen shot of a code

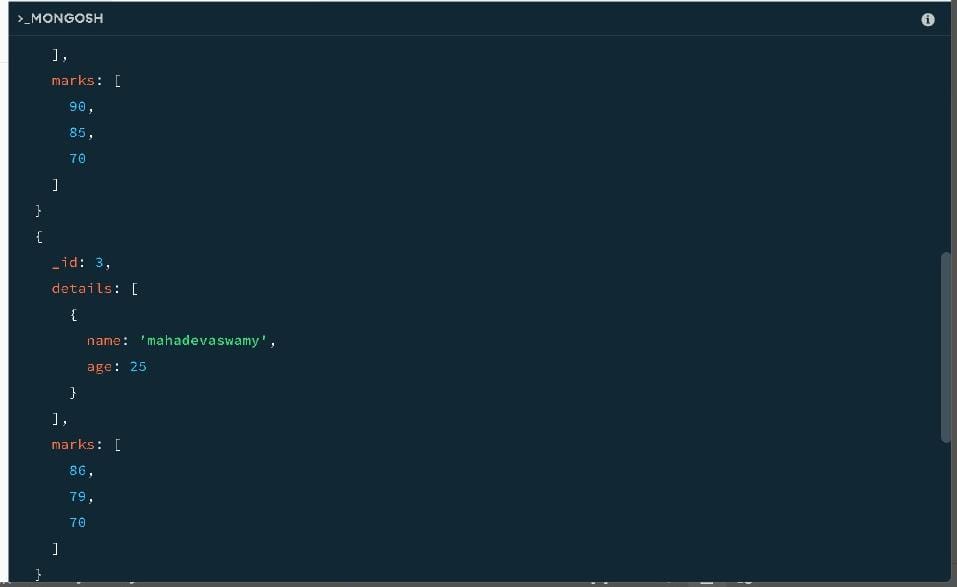
AI-generated content may be incorrect.

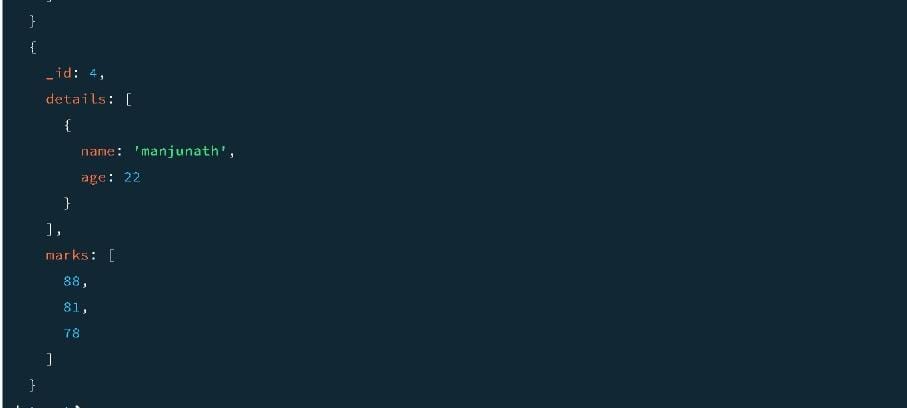
**INTERMEDIATE SECTION :**

**39) Query Find Marks Greater Than Or Equal To 80 Using $Elemmatch**

db.details.find({marks:{$elemMatch: { $gte:80 }}});







**40) Query To Find Marks Between 80 And 85 Using $Elemmatch**

db.details.find({marks:{$elemMatch: { $gte:80,$lte:85 }}});

