

MongoDB

File Edit Find View Goto Run Help

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• WORKSPACE

<> admin_info.csv
<> admin_info.json
<> employee_training_dataset.csv
<> employee_training_dataset.json

- The left-sidebar has your workspace. Right click on files and directories to perform actions related to filesystem.
- `Ctrl + S` in your editor saves the current open file. You *must* save a file to sync it with server.
- While uploading your workspace, make sure that the root of your workspace is the root of the archive

> TERMINAL

≡ APPLICATION LOGS

≡ COMMAND LOGS

```
... ]  
... }])  
{  
  "acknowledged" : true,  
  "insertedIds" : [  
    0,  
    1,  
    2,  
    3,  
    4,  
    5,  
    6,  
    7,  
    8,  
    9,  
    10,  
    11,  
    12,  
    13,  
    14,
```

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TASKS

• WORKSPACE

<> admin_info.csv
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> TERMINAL

≡ APPLICATION LOGS

≡ COMMAND LOGS

```
108,  
109,  
110,  
111,  
112,  
113  
]  
}  
> show collections  
employee_training  
> db.employee_training.find()  
{ "_id" : 0, "name" : "Ancy", "results" : [ { "evaluation" : "term1", "score" : 1.463179736705023 }, { "evaluation" : "term2", "score" : 11.78273309957772 }, {  
  "evaluation" : "term3", "score" : 6.676176060654615 } ] }  
{ "_id" : 1, "name" : "Nancy", "results" : [ { "evaluation" : "term1", "score" : 60.06045071030959 }, { "evaluation" : "term2", "score" : 52.79790691903873 },  
  "evaluation" : "term3", "score" : 71.76133439165544 } ] }  
{ "_id" : 2, "name" : "Peter", "results" : [ { "evaluation" : "term1", "score" : 67.03077096065002 }, { "evaluation" : "term2", "score" : 6.301851677835235 },  
  "evaluation" : "term3", "score" : 20.18160621941858 } ] }  
{ "_id" : 3, "name" : "Harry", "results" : [ { "evaluation" : "term1", "score" : 71.64343899778332 }, { "evaluation" : "term2", "score" : 24.80221293650313 },  
  "evaluation" : "term3", "score" : 1.694720653897219 } ] }  
{ "_id" : 4, "name" : "Serius", "results" : [ { "evaluation" : "term1", "score" : 78.68385091304332 }, { "evaluation" : "term2", "score" : 90.2963101368042 },
```

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admin_info.csv

admin_info.json

employee_training_dataset.csv

employee_training_dataset.json

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TERMINAL APPLICATION LOGS COMMAND LOGS

```
{ "id": 108, "name": "Mikaela", "results": [ { "evaluation": "term1", "score": 63.75595052560389 }, { "evaluation": "term2", "score": 59.52298111997963 }, { "evaluation": "term3", "score": 88.66481441499843 } ] }, { "id": 109, "name": "Flora", "results": [ { "evaluation": "term1", "score": 40.68238966626067 }, { "evaluation": "term2", "score": 46.77972040388903 }, { "evaluation": "term3", "score": 65.90098502289938 } ] }, { "id": 110, "name": "Linzey", "results": [ { "evaluation": "term1", "score": 67.40792606687442 }, { "evaluation": "term2", "score": 58.58331128403415 }, { "evaluation": "term3", "score": 47.44831568815929 } ] }, { "id": 111, "name": "Gennie", "results": [ { "evaluation": "term1", "score": 62.74309964110307 }, { "evaluation": "term2", "score": 92.18013849235186 }, { "evaluation": "term3", "score": 34.50565589246531 } ] }, { "id": 112, "name": "Myrtle", "results": [ { "evaluation": "term1", "score": 73.93895528856032 }, { "evaluation": "term2", "score": 35.99397009906073 }, { "evaluation": "term3", "score": 93.85826506506328 } ] }, { "id": 113, "name": "Martha", "results": [ { "evaluation": "term1", "score": 77.57315913088024 }, { "evaluation": "term2", "score": 13.28135073340091 }, { "evaluation": "term3", "score": 67.27527802263116 } ] }> show dbs
local      0.000GB
training   0.000GB
> use training
switched to db training
> show collections
employee_training
>
```

PGP DE - MongoDB Developer and Administrator

808 COMMUNITY

HELP

NOTES

Classes completed | 100% Self-Learning Videos Watched | 0/3 Projects Done

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admin_info.csv

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TERMINAL APPLICATION LOGS COMMAND LOGS

```
"evaluation": "term3", "score": 71.76133439165544 } ] }
{ "id": 2, "name": "Peter", "results": [ { "evaluation": "term1", "score": 67.03077096065002 }, { "evaluation": "term2", "score": 6.301851677835235 }, { "evaluation": "term3", "score": 20.18160621941858 } ] }
{ "id": 3, "name": "Harry", "results": [ { "evaluation": "term1", "score": 71.64343899778332 }, { "evaluation": "term2", "score": 24.80221293650313 }, { "evaluation": "term3", "score": 1.694720653897219 } ] }
{ "id": 4, "name": "Serius", "results": [ { "evaluation": "term1", "score": 78.68385091304332 }, { "evaluation": "term2", "score": 90.2963101368042 }, { "evaluation": "term3", "score": 34.41620148042529 } ] }
{ "id": 5, "name": "Wilma", "results": [ { "evaluation": "term1", "score": 44.87186330181261 }, { "evaluation": "term2", "score": 25.72395114668016 }, { "evaluation": "term3", "score": 10.53058536508186 } ] }
{ "id": 6, "name": "Janice", "results": [ { "evaluation": "term1", "score": 37.32285459166097 }, { "evaluation": "term2", "score": 28.32634976913737 }, { "evaluation": "term3", "score": 16.58341639738951 } ] }
{ "id": 7, "name": "Monica", "results": [ { "evaluation": "term1", "score": 90.37826509157176 }, { "evaluation": "term2", "score": 42.48780666956811 }, { "evaluation": "term3", "score": 67.18328596625217 } ] }
{ "id": 8, "name": "Rachel", "results": [ { "evaluation": "term1", "score": 22.13583712862635 }, { "evaluation": "term2", "score": 14.63969941335069 }, { "evaluation": "term3", "score": 75.94123677556644 } ] }
{ "id": 9, "name": "Sandra", "results": [ { "evaluation": "term1", "score": 97.00500953654694 }, { "evaluation": "term2", "score": 97.80449632538915 }, { "evaluation": "term3", "score": 12.47568017314781 } ] }
{ "id": 10, "name": "Denial", "results": [ { "evaluation": "term1", "score": 45.61876862259409 }, { "evaluation": "term2", "score": 98.35723209418343 }, { "evaluation": "term3", "score": 19.31113429145131 } ] }
> db.employee_training.find({'results.score':{$gte:37},'results.evaluation':'term1'}).limit(10)
```

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- <> admin_info.csv
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- <> employee_training_dataset.csv
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Tips to use this IDE

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TERMINAL APPLICATION LOGS COMMAND LOGS

```
91
> db.employee_training.find({'$and':[{"results.evaluation":"term3"}, {"results.score":{$lt:37}}]}).count()
91
> db.employee_training.find({"results.score":{$lt:37}}).count()
91
> db.employees.find({'results': { $elemMatch: { 'evaluation': 'term1' , 'score': {$lt : 37}
... }}}).count()
0
> db.employees.find({'results':{$elemMatch:{'evaluation':'term1', 'score':{$lt : 37}}}}).count()
0
> ^C
bye
root@code-lab-instance-4490:/home/user/workspace#
```

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TERMINAL APPLICATION LOGS COMMAND LOGS

```
switched to db training
> show collections
csv_insert_test
employee_training
> db.employee_training.find({'$and':[{"results.evaluation":"term1"}, {"results.score":{$lt:37}}]}).count()
91
> db.employee_training.find({'$and':[{"results.evaluation":"term2"}, {"results.score":{$lt:37}}]}).count()
91
> db.employee_training.find({'$and':[{"results.evaluation":"term3"}, {"results.score":{$lt:37}}]}).count()
91
> db.employee_training.find({"results.score":{$lt:37}}).count()
91
>
```

MongoDB Compass - localhost:27017/project3_employee_training_employee_training_dataset

Connect View Collection Help

localhost:27017

5 DBS 7 COLLECTIONS

My Queries

Databases

Filter your data

- admin
- config
- local
- olivian7_bdhe_project
 - admin_info
 - stock_companies_prices
- project3_employee_training
 - admin_info
 - employee_training_dataset ...

Documents

project3_employee_training.employee_training_dataset

114 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

1 FILTER { "results": { "\$elemMatch": { "evaluation": "term1", "score": { "\$lt": 37 } } } } + OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 20 of 39

```
{ "_id": 0, name: "Ancy", results: Array }
{ "_id": 8, name: "Rachel", results: Array }
{ "_id": 14, name: "Sherrill", results: Array }
```

MONGODB

```
> use project3_employee_training
> use employee_training_dataset
> find()
{ "_id": 0, name: "Ancy", results: [ { evaluation: "term1", score: 33.44580005842922 }, { evaluation: "term2", score: 7.172746439860975 }, { evaluation: "term3", score: 80.53328849494781 } ] }
{ "_id": 8, name: "Rachel", results: [ { evaluation: "term1", score: 21.94531707142236 }, { evaluation: "term2", score: 41.75962115078149 }, { evaluation: "term3", score: 4.923819407716035 } ] }
Type "it" for more
> var termFail = db.employee_training_dataset.find({"results":{"$elemMatch":{"evaluation":"term1","score":{"$lt":37}}}}).count()
> db.employee_training_dataset.find({"results":{"$elemMatch":{"evaluation":"term1","score":{"$lt":37}}}}).count()
< 39
project3_employee_training>
```

MongoDB Compass - localhost:27017/project3_employee_training_employee_training_dataset

Connect View Collection Help

localhost:27017

5 DBS 7 COLLECTIONS

My Queries

Databases

Filter your data

- admin
- config
- local
- olivian7_bdhe_project
 - admin_info
 - stock_companies_prices
- project3_employee_training
 - admin_info
 - employee_training_dataset ...

Documents

project3_employee_training.employee_training_dataset

114 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

1 FILTER { field: 'value' } + OPTIONS FIND RESET ...

2 PROJECT { field: '*' } + OPTIONS

3 SORT { field: -1 } or [[field], -1]] + OPTIONS MAX TIME MS 60000

4 COLLATION { locale: 'simple' } + OPTIONS SKIP 0 LIMIT 0

ADD DATA VIEW

Displaying documents 1 - 20 of 114

```
{ "_id": 0, name: "Ancy", results: [ { evaluation: "term1", score: 1.463179734705023 }, { evaluation: "term2", score: 11.78273309957772 }, { evaluation: "term3", score: 6.676176060654615 } ] }
{ "_id": 1, name: "Hancy", results: [ { evaluation: "term1", score: 60.06048071030989 }, { evaluation: "term2", score: 6.676176060654615 } ] }
```

MONGODB

```
>
> var total = db.employee_training_dataset.find().count()
> db.employee_training_dataset.find().count()
< 114
>
> (term1Fail*100)/total
< 34.21052631578947
project3_employee_training>
```