StudentDb> db.StudentCollection.find({scores:{$elemMatch:{"type":"exam", "score":{$gte:40, $lte:50}}}})

[

{

\_id: 5,

name: 'Wilburn Spiess',

scores: [

{ score: 44.87186330181261, type: 'exam' },

{ score: 25.72395114668016, type: 'quiz' },

{ score: 63.42288310628662, type: 'homework' }

]

},

{

\_id: 10,

name: 'Denisha Cast',

scores: [

{ score: 45.61876862259409, type: 'exam' },

{ score: 98.35723209418343, type: 'quiz' },

{ score: 55.90835657173456, type: 'homework' }

]

},

{

\_id: 19,

name: 'Gisela Levin',

scores: [

{ score: 44.51211101958831, type: 'exam' },

{ score: 0.6578497966368002, type: 'quiz' },

{ score: 93.36341655949683, type: 'homework' }

]

},

{

\_id: 20,

name: 'Tressa Schwing',

scores: [

{ score: 42.17439799514388, type: 'exam' },

{ score: 71.99314840599558, type: 'quiz' },

{ score: 81.23972632069464, type: 'homework' }

]

},

{

\_id: 21,

name: 'Rosana Vales',

scores: [

{ score: 46.2289476258328, type: 'exam' },

{ score: 98.34164225207036, type: 'quiz' },

{ score: 36.18769746805938, type: 'homework' }

]

},

{

\_id: 23,

name: 'Tamika Schildgen',

scores: [

{ score: 45.65432764125526, type: 'exam' },

{ score: 64.32927049658846, type: 'quiz' },

{ score: 83.53933351660562, type: 'homework' }

]

},

{

\_id: 29,

name: 'Gwyneth Garling',

scores: [

{ score: 48.36644963899371, type: 'exam' },

{ score: 10.37827022865908, type: 'quiz' },

{ score: 93.26639335532833, type: 'homework' }

]

},

{

\_id: 42,

name: 'Kayce Kenyon',

scores: [

{ score: 44.62441703708117, type: 'exam' },

{ score: 27.38208798553111, type: 'quiz' },

{ score: 97.43587143437509, type: 'homework' }

]

},

{

\_id: 45,

name: 'Terica Brugger',

scores: [

{ score: 42.1011312120801, type: 'exam' },

{ score: 41.73654145887228, type: 'quiz' },

{ score: 18.91287189072117, type: 'homework' }

]

},

{

\_id: 57,

name: 'Chad Rahe',

scores: [

{ score: 40.84572027366789, type: 'exam' },

{ score: 29.22733629679561, type: 'quiz' },

{ score: 93.12112348179406, type: 'homework' }

]

},

{

\_id: 68,

name: 'Jenise Mcguffie',

scores: [

{ score: 40.15210496060384, type: 'exam' },

{ score: 90.60219950183566, type: 'quiz' },

{ score: 51.58720341010564, type: 'homework' }

]

},

{

\_id: 89,

name: 'Cassi Heal',

scores: [

{ score: 43.04310994985133, type: 'exam' },

{ score: 0.006247360551892012, type: 'quiz' },

{ score: 63.88558436723092, type: 'homework' }

]

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{

\_id: 100,

name: 'Demarcus Audette',

scores: [

{ score: 47.42608580155614, type: 'exam' },

{ score: 44.83416623719906, type: 'quiz' },

{ score: 39.01726616178844, type: 'homework' }

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},

{

\_id: 102,

name: 'Mercedez Garduno',

scores: [

{ score: 49.52877007656483, type: 'exam' },

{ score: 44.55505066212384, type: 'quiz' },

{ score: 81.50869746632009, type: 'homework' }

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},

{

\_id: 109,

name: 'Flora Duell',

scores: [

{ score: 40.68238966626067, type: 'exam' },

{ score: 46.77972040308903, type: 'quiz' },

{ score: 69.29400057020965, type: 'homework' }

]

},

{

\_id: 126,

name: 'Quincy Danaher',

scores: [

{ score: 40.53136904234401, type: 'exam' },

{ score: 83.09270171511093, type: 'quiz' },

{ score: 79.004550587978, type: 'homework' }

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},

{

\_id: 128,

name: 'Alix Sherrill',

scores: [

{ score: 43.67436243299881, type: 'exam' },

{ score: 14.98112420690882, type: 'quiz' },

{ score: 23.62416821198536, type: 'homework' }

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},

{

\_id: 142,

name: 'Laureen Salomone',

scores: [

{ score: 42.54322973844196, type: 'exam' },

{ score: 33.03152379449381, type: 'quiz' },

{ score: 77.52357320933667, type: 'homework' }

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},

{

\_id: 143,

name: 'Gwyneth Garling',

scores: [

{ score: 44.29553481758053, type: 'exam' },

{ score: 23.15599504527296, type: 'quiz' },

{ score: 84.83695219376807, type: 'homework' }

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},

{

\_id: 155,

name: 'Aleida Elsass',

scores: [

{ score: 42.89558347656537, type: 'exam' },

{ score: 94.10647660402866, type: 'quiz' },

{ score: 30.56402201379193, type: 'homework' }

]

}

]

Type "it" for more