6

  Create a new collection which consists of students who scored below the fail mark in all the categories.

StudentDb> db db.StudentCollection.aggregate([{"$match":{"$and":[{scores:{$elemMatch:{"type":"exam", "score":{$lt:40}}}},{scores:{$elemMatch:{"type":"quiz", "score":{$lt:40}}}},{scores:{$elemMatch:{"type":"homework", "score":{$lt:40}}}}]}},{"$project":{"Name": "$name","scores":"$scores"}},{ $merge : { into :"StudentFailed" } }])

StudentDb> db.StudentFailed.find({})

[

{

\_id: 0,

Name: 'aimee Zank',

scores: [

{ score: 1.463179736705023, type: 'exam' },

{ score: 11.78273309957772, type: 'quiz' },

{ score: 35.8740349954354, type: 'homework' }

]

}

]