Practice Data: <https://github.com/Apollo-Level2-Web-Dev/mongodb-practice>

**6-0 Intro the powerful aggregation framework**

**6-1 $match , $project aggregation stage**

Google -> Aggregation Pipeline Operators

-> mongodb aggregation tutorial

Like: <https://studio3t.com/knowledge-base/articles/mongodb-aggregation-framework/>

<https://www.mongodb.com/docs/manual/aggregation/>

db.test.aggregate([

// stage-1

{ $match: { gender: "Male", age: { $lt: 35 } } },

// stage-2

{$project: {name: 1, age: 1, gender:1}}

])

**6-2 $addFields , $out , $merge aggregation stage**

db.test.aggregate([

// stage-1

{ $match: { gender: "Male", age: { $lt: 35 } } },

// stage-2

{ $addFields: { course: "level-2" } },

// stage-3

{ $project: { name: 1, gender: 1, course: 1 } }

])

db.test.aggregate([

// stage-1

{ $match: { gender: "Male", age: { $lt: 35 } } },

// stage-2

{ $addFields: { course: "level-2", eduTech: "Programming Hero" } },

// stage-3

{ $project: { name: 1, gender: 1, course: 1, eduTech: 1 } }

])

db.test.aggregate([

// stage-1

{ $match: { gender: "Male", age: { $lt: 35 } } },

// stage-2

{ $addFields: { course: "level-2", eduTech: "Programming Hero", monerMoto: "Moner Iccha" } },

// stage-3

{ $project: { name: 1, gender: 1, course: 1, eduTech: 1 } },

// stage-4

{ $out: "course-students" }

])

db.test.aggregate([

// stage-1

// { $match: { gender: "Male", age: { $lt: 35 } } },

// stage-2

{ $addFields: { course: "level-2", eduTech: "Programming Hero", monerMoto: "Moner Iccha" } },

// stage-3

// { $project: { name: 1, gender: 1, course: 1, eduTech: 1 } },

// stage-4

// { $out: "course-students" }

{ $merge: "test" }

])

db.test.find({}).project({ course: 1, eduTech: 1, monerMoto: 1 })