```
db. Peron. find (f) = do. Peron. aggregate ([7])
 db. Pera. insertmany ([ - - ])
                                              (stage 1)
  allo. Person. aggregate ([
                                      * find() le apprepat(E7)
     (Stage 17
                                       epithir. Sadece le sadece
     (5)age 27,
                                       appregate ([]) tele bur
                                       stage 'e salip oldury
      (stagen)
                                        Zema.
    db.Person:aggregate([])<sup>1</sup>
  { } group : { _ id : " } age " } }
 Etgroup: { -id: "$ company. location. comby" ]]
{ $ goup: 9-id: " $ name", total: $ $ sum: " $ price " 3 } }
 SMATCH STAGE
{ & march : { city: "New York " }}
{ $ mata: { age: {$ $+;25}}}
 E $ march: E $ and: [ i gender: "fende "3, lage: 18gte: 2533] 3}
 * $ maran - + tim operationer: destater.
   db.Person.aggregate([
     {$match:{age:{$gt:25}}}
   ])
   db.Person.aggregate([
     {$match:{isActive:true}}
   ])
```

```
db.Person.aggregate([
      {$match:{tags:{$size:3}}}
    ])
    JGROUP - - id - Jonne ala # son e coment
basta stage 'de
2 & group: 2 - id: "Jage" 33
    2 & group: 2-id: Eage: "Fage", gender: "8 gender" 3 ) }
         db.Person.aggregate([
           {$group:{ id:"$gender"}}
         ])
         db.Person.aggregate([
           ($group:{_id:"$age"}} _ Noton yas olanlistanis

geticor. (Conpar)
         1)
  db.Person.aggregate([ -- Coshin Taim o'asiliecora getica
    {$group:{_id:"$name"}}
  1)
  db.Person.aggregate([
    {$group:{ id:"$company.location.country"}}
  1)
             I distinct file? galger.
  db.Person.aggregate([
    {$group:{_id:{age:"$age",gender:"$gender"}}}
  ])
db.Person.aggregate([
  {\$group:{\_id:{eyeColor:"\$eyeColor",favoriteFruit:"\$favoriteFruit"\}}}
  db.Person.aggregate([
    {$group:{_id:{eyeColor:"$eyeColor", → ♂
```

])

```
עט.ר כו אווימצצו כצמוכ(ן
  {$group:{_id:{eyeColor:"$eyeColor", → ♂
    favoriteFruit:"$favoriteFruit",
    age:"$age"}}}
])
db.Person.aggregate([
  {$match:{favoriteFruit:"apple"}},
  {\$group:\{ id:\{eyeColor:\\$eyeColor\\,age:\\$age\\}\}\}
])
db.Person.aggregate([
  {$match:{gender:"female"}},
  {\$group:\{_id:\{eyeColor:\\$eyeColor\\,age:\\$age\\}\}\}
])
db.Person.aggregate([
  {$match:{gender:"female"}},
  {$group:{_id:{eyeColor:"$eyeColor",age:"$age",gender:"$gender"}}}
])
                                             " id":{
      "eyeColor": "brown",
                                               "eyeColor": "brown",
      "age": 28,
                                               "age": 32
      "gender": "female"
                                           }
  }
    db.Person.aggregate([
      {$group:{ id:{eyeColor:"$eyeColor",age:"$age"}}},
      {$match:{gender:"female"}}
```

```
])
          I smara, & group! Lan sonra gelie.
    db.Person.aggregate([
      {\$group:\{_id:\{eyeColor:\\$eyeColor\\,age:\\$age\\}\}},
      {$match:{"_id.age":{$gt:30}}}
    ])
    I lu seleilate teullondina Brown, & groupton sonna golir.
    db.Person.aggregate([
      {\$group:\{ id:\{eyeColor:\\$eyeColor\\,age:\\$age\\}\}},
      {$match:{"_id.eyeColor":"brown"}}
    1)
    * grop igholdi alanlardon birinde gort vorsa,
       mater a sage jas elabilis.
                                  <del>----></del>63//
db.Person.aggregate([
  {$group:{_id:{eyeColor:"$eyeColor",age:"$age"}}},
  {$count:"eyeColorAndAge"}
1)
db.Person.aggregate([
  {$count:"allDocuments"} { allDocuments" : 1000
1)
db.Person.aggregate([
  {\$group:{\_id:{eyeColor:"\$eyeColor",age:"\$age"}}},
]).toArray().length => Sayusin err cont sibi
 db.Person.aggregate([
   {$group:{ id:{eveColor:"$eveColor".age:"$age"}}}.
```

```
db.Person.aggregate([
   {$group:{_id:{eyeColor:"$eyeColor",age:"$age"}}},
  ]).itcount() => cant sibi sayiji verir.
  count > 0,21 sn serve side

(toArrey().length > 1,78n g cerep sürcei

it count() = 1,48n
      Cursor tim belæde dolasir. O jude um sien
db.Person.aggregate([
  {$group:{_id:"$company.location.country"}},
  {$count:"countriesCount"}
 1)
 1)
 db.Person.aggregate([
  {$group:{_id:{eyeColor:"$eyeColor",gender:"$gender"}}},
  {$count:"eyeColorAndGender"}
 1)
 {
   "eyeColorAndGender": 6
```

```
ί
  "eyeColorAndGender" : 6
}
    db.Person.aggregate([
      {$match:{age:{$gte:25}}},
      {$group:{_id:{eyeColor:"$eyeColor",age:"$age"}}},
      {$count:"eyeColorAndAge"}
    ])
    {
      "eyeColorAndAge": 48
    }
$5027
db.Person.aggregate([
  {$sort:{name:1}},
])
db.Person.aggregate([
  {$sort:{age:-1}},
1)
db.Person.aggregate([
  {$sort:{age:-1,gender:-1}},
])
db.Person.aggregate([
  {$sort:{age:-1,gender:-1,eyeColor:1}},
])
db.Person.aggregate([
  {$group:{_id:"$favoriteFruit"}},
  {$sort:{_id:1}},
])
```

```
db.Person.aggregate([
  {$group:{_id:"$age"}},
  {$sort:{_id:1}},
])
db.Person.aggregate([
  {$group:{_id:"$eyeColor"}},
  {$sort:{_id:-1}},
])
db.Person.aggregate([
  {\$group:{_id:{eyeColor:"\$eyeColor",favoriteFruit:"\$favoriteFruit"}}},
  {$sort:{"_id.eyeColor":1,"_id.favoriteFruit":-1}},
1)
db.Person.aggregate([
  {$match:{eyeColor:{$ne:"blue"}}},
  {\$group:{_id:{eyeColor:"\$eyeColor",favoriteFruit:"\$favoriteFruit"}}},
  {$sort:{"_id.eyeColor":1,"_id.favoriteFruit":-1}},
])
```