05강 - find() 를 통한 조회

**1. 샘플 데이터 입력**

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| db.getCollection('board').insert(  [  {  "idx":1,  "subject":"Board title 1",  "content":"This is content 1",  "name":"Kim",  "hits": 5,  "date":"2016-11-10"  },  {  "idx":2,  "subject":"Board title 2",  "content":"This is content 2",  "name":"Kang",  "hits": 10,  "date":"2016-11-10"  },  {  "idx":3,  "subject":"Board title 3",  "content":"This is content 3",  "name":"Lee",  "hits": 15,  "date":"2016-11-10"  },  {  "idx":4,  "subject":"Board title 4",  "content":"This is content 4",  "name":"Park",  "hits": 20,  "date":"2016-11-11"  },  {  "idx":5,  "subject":"Board title 5",  "content":"This is content 5",  "name":"Jang",  "hits": 25,  "date":"2016-11-11"  }  ]  ) |

**2. 기본 Equal(=) 조회**

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| db.board.find( { "name":"Kim" } )  db.getCollection("board").find( { name:"Kim" } )  // 1건만 조회  db.board.findOne({"date":"2016-11-10"}) |

**3. AND 조회**

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| db.getCollection('board').find({  $and:[ { "date":"2016-11-11"} , {"name":"Jang"} ]  })  db.getCollection('board').find( { "date":"2016-11-11", "name":"Jang" } ) |

**4. OR 조회**

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| db.getCollection('board').find({  $or:[ { "date":"2016-11-11"} , {"name":"Jang"} ]  })  db.getCollection('board').find({  $or:[ , {"name":"Kim"}, {"name":"Jang"}, {"name":"Park"} ]  }) |

**5. AND, OR 조회**

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| db.getCollection('board').find( {  "date":"2016-11-10",  { $or: [ {"name":"Kim"} , {"name":"Kang"} ] }  } ) |

**6. Like 조회, 정규표현식 (Regular expression)**

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| **Like '%K%'**  db.board.find({ "name": /a/ })  db.board.find( {'name': {'$regex': 'a'}} )  **Like 'K%'**  db.board.find({ "name": /^P/ })  **Like '%g'**  db.board.find({ "name": /g$/ }) |

**7. 부등호 조회**

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| **hits > 10**  db.board.find({ "hits":{ $gt:10 } })  **hits < 10**  db.board.find({ "hits":{ $lt:10 } })  **hits >= 10**  db.board.find({ "hits":{ $gte:10 } })  **hits <= 10**  db.board.find({ "hits":{ $lte:10 } })  **hits != 10**  db.board.find({ "hits":{ $ne:10 } })  **hits > 10 AND hits < 20**  db.board.find( { $and:[ {"hits":{ $gt:10 }}, {"hits":{ $lt:25 }} ] }) |

**8. exists 존재 검사**

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| // 데이터 입력  db.getCollection('board').insert(  [  {  "idx":6,  "subject":"Board title 6",  "content":"This is content 6",  "hits": 6,  "date":"2016-11-10"  }  ]  )  // 존재 검사  db.board.find( {name: {$exists: true} } ) |