Query 1

> db.projectCollection.find( { "pnumber": "20" } )

{ "\_id" : ObjectId("598dd04cba768e0d881279d4"), "employee" : [ { "hours" : null, "lname" : "Carpenter", "fname" : "Jisha" }, { "hours" : "5.0", "lname" : "Borg", "fname" : "James" } ], "pname" : "Reorganization", "pnumber" : "20", "dname" : "Headquarters" }

Query 2

> db.departmentCollection.find( { "dname": "Research" } )

{ "\_id" : ObjectId("598dd04dba768e0d881279e9"), "dname" : "Research", "lname" : "Wong", "dlocation" : [ "Bellaire", "Houston", "Sugarland" ] }

Query 3: Using Greater than filter

> db.projectCollection.find( { "employee.hours": {$gt:45} } )

{ "\_id" : ObjectId("598ddbe9ba768e15f8444c77"), "employee" : [ { "hours" : 0, "fname" : "Alex", "lname" : "Yu" }, { "hours" : 0, "fname" : "Jared", "lname" : "James" }, { "hours" : 0, "fname" : "Jon", "lname" : "Jones" }, { "hours" : 0, "fname" : "Justin", "lname" : "Mark" }, { "hours" : 0, "fname" : "Brad", "lname" : "Knight" }, { "hours" : 0, "fname" : "Debra", "lname" : "Hall" }, { "hours" : 0, "fname" : "John", "lname" : "Ed" }, { "hours" : 0, "fname" : "Christina", "lname" : "Hisel" }, { "hours" : 0, "fname" : "Jake", "lname" : "Sheen" }, { "hours" : 40, "fname" : "Kim", "lname" : "Grace" }, { **"hours" : 46**, "fname" : "Jeff", "lname" : "Chase" }, { "hours" : 40, "fname" : "Jose", "lname" : "Barbara" }, { "hours" : 25, "fname" : "Cindy", "lname" : "Burklow" }, { "hours" : 0, "fname" : "Nandita", "lname" : "Ball" }, { "hours" : 0, "fname" : "Penny", "lname" : "Wolowitz" }, { "hours" : 0, "fname" : "Zach", "lname" : "Geller" } ], "pname" : "Middleware", "dname" : "Software", "pnumber" : "63" }

Query 4: Using OR Filter

> db.departmentCollection.find( {$or:[{"lname":"Linda"},{"dname":"Hardware"}] } )

{ "\_id" : ObjectId("598ddbeaba768e15f8444c8c"), "dname" : "Hardware", "lname" : "Freed", "dlocation" : [ "Milwaukee" ] }

{ "\_id" : ObjectId("598ddbeaba768e15f8444c8e"), "dname" : "HR", "lname" : "Linda", "dlocation" : [ "Arlington" ] }