>use studentdb

switched to db studentdb

> show collections

stud

> db.stud.find().pretty()

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ee8"),

"Name" : "pele",

"USN" : "1NT18IS114",

"Subject1" : 23,

"Subject2" : 68,

"Subject3" : 97,

"Pass" : "FALSE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ee9"),

"Name" : "Pedri",

"USN" : "1NT18IS116",

"Subject1" : 56,

"Subject2" : 93,

"Subject3" : 98,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25eea"),

"Name" : "Vinod",

"USN" : "1NT18IS117",

"Subject1" : 28,

"Subject2" : 29,

"Subject3" : 60,

"Pass" : "FALSE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25eeb"),

"Name" : "Aish",

"USN" : "1NT18IS115",

"Subject1" : 48,

"Subject2" : 70,

"Subject3" : 86,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25eec"),

"Name" : "Nathan",

"USN" : "1NT18IS118",

"Subject1" : 40,

"Subject2" : 90,

"Subject3" : 99,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25eed"),

"Name" : "umtiti",

"USN" : "1NT18IS119",

"Subject1" : 58,

"Subject2" : 88,

"Subject3" : 96,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25eee"),

"Name" : "ronaldo",

"USN" : "1NT18IS121",

"Subject1" : 45,

"Subject2" : 55,

"Subject3" : 41,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25eef"),

"Name" : "Tony",

"USN" : "1NT18IS122",

"Subject1" : 69,

"Subject2" : 69,

"Subject3" : 60,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef0"),

"Name" : "Lionel",

"USN" : "1NT18IS120",

"Subject1" : 100,

"Subject2" : 100,

"Subject3" : 100,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef1"),

"Name" : "griezman",

"USN" : "1NT18IS111",

"Subject1" : 90,

"Subject2" : 67,

"Subject3" : 85,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef2"),

"Name" : "Rashford",

"USN" : "1NT18IS113",

"Subject1" : 45,

"Subject2" : 46,

"Subject3" : 65,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef3"),

"Name" : "Stark",

"USN" : "1NT18IS112",

"Subject1" : 80,

"Subject2" : 20,

"Subject3" : 78,

"Pass" : "FALSE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef4"),

"Name" : "aguero",

"USN" : "1NT18IS125",

"Subject1" : 90,

"Subject2" : 57,

"Subject3" : 86,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef5"),

"Name" : "Naitik",

"USN" : "1NT18IS123",

"Subject1" : 79,

"Subject2" : 70,

"Subject3" : 35,

"Pass" : "FALSE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef6"),

"Name" : "de jong",

"USN" : "1NT18IS129",

"Subject1" : 29,

"Subject2" : 67,

"Subject3" : 68,

"Pass" : "FALSE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef7"),

"Name" : "Vinod",

"USN" : "1NT18IS130",

"Subject1" : 56,

"Subject2" : 99,

"Subject3" : 100,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef8"),

"Name" : "werner",

"USN" : "1NT18IS131",

"Subject1" : 44,

"Subject2" : 55,

"Subject3" : 100,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25ef9"),

"Name" : "Somesh",

"USN" : "1NT18IS124",

"Subject1" : 56,

"Subject2" : 10,

"Subject3" : 24,

"Pass" : "FALSE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25efa"),

"Name" : "depay",

"USN" : "1NT18IS126",

"Subject1" : 67,

"Subject2" : 43,

"Subject3" : 87,

"Pass" : "TRUE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25efb"),

"Name" : "Utkarsh",

"USN" : "1NT18IS128",

"Subject1" : 14,

"Subject2" : 16,

"Subject3" : 39,

"Pass" : "FALSE"

}

{

"\_id" : ObjectId("60f03637fca0f3fe47d25efc"),

"Name" : "Kaif",

"USN" : "1NT18IS127",

"Subject1" : 45,

"Subject2" : 82,

"Subject3" : 91,

"Pass" : "TRUE"

}

1.

> db.stud.aggregate ( [ { $match:{Pass:"TRUE"} }, { $group:{\_id: "$Name"} } ] );

{ "\_id" : "Pedri" }

{ "\_id" : "ronaldo" }

{ "\_id" : "Rashford" }

{ "\_id" : "werner" }

{ "\_id" : "Nathan" }

{ "\_id" : "Kaif" }

{ "\_id" : "umtiti" }

{ "\_id" : "Lionel" }

{ "\_id" : "Aish" }

{ "\_id" : "Tony" }

{ "\_id" : "griezman" }

{ "\_id" : "depay" }

{ "\_id" : "aguero" }

{ "\_id" : "Vinod" }

2.

> var mapper = function () { emit(this.Name, this.Subject1) };

> var reducer = function (Name, Subject1) { return Array.sum(Subject1) };

> db.stud.mapReduce(mapper, reducer, { out: "result" });

{

"result" : "result",

"timeMillis" : 236,

"counts" : {

"input" : 21,

"emit" : 21,

"reduce" : 1,

"output" : 20

},

"ok" : 1

}

> db.result.find();

{ "\_id" : "Aish", "value" : 48 }

{ "\_id" : "Kaif", "value" : 45 }

{ "\_id" : "Lionel", "value" : 100 }

{ "\_id" : "Naitik", "value" : 79 }

{ "\_id" : "Nathan", "value" : 40 }

{ "\_id" : "Pedri", "value" : 56 }

{ "\_id" : "Rashford", "value" : 45 }

{ "\_id" : "Somesh", "value" : 56 }

{ "\_id" : "Stark", "value" : 80 }

{ "\_id" : "Tony", "value" : 69 }

{ "\_id" : "Utkarsh", "value" : 14 }

{ "\_id" : "Vinod", "value" : 84 }

{ "\_id" : "aguero", "value" : 90 }

{ "\_id" : "de jong", "value" : 29 }

{ "\_id" : "depay", "value" : 67 }

{ "\_id" : "griezman", "value" : 90 }

{ "\_id" : "pele", "value" : 23 }

{ "\_id" : "ronaldo", "value" : 45 }

{ "\_id" : "umtiti", "value" : 58 }

{ "\_id" : "werner", "value" : 44 }

3.

>db.stud.aggregate( [{$match:{$and:[{Subject1: {$gt:44}},{Subject2:{$gt:44}}]}},{$count:"pass"}]);

{ "pass" : 12 }

4.

> db.stud.find({USN:"1NT18IS114"});

{ "\_id" : ObjectId("60f03637fca0f3fe47d25ee8"), "Name" : "pele", "USN" : "1NT18IS114", "Subject1" : 23, "Subject2" : 68, "Subject3" : 97, "Pass" : "FALSE" }

> db.stud.update ( { USN: "1NT18IS114" }, { $set: { Subject1:89, Subject2:69 } } );

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.stud.find({USN:"1NT18IS114"});

{ "\_id" : ObjectId("60f03637fca0f3fe47d25ee8"), "Name" : "pele", "USN" : "1NT18IS114", "Subject1" : 89, "Subject2" : 69, "Subject3" : 97, "Pass" : "FALSE" }

> show collections

result

stud

> db.result.drop();

true

> show collections

Stud

