Write mapreduce function on students info collection to find the number of students who scored more than 70

marks in DBMS as “ Highscores”,less than 70 marks but greater than 40 marks as “Average scores” and less

than 40 marks as “Failed.

And also perform any other mapreduce fuction according to you.single statement)

.ANS :=

Insert data  
db.students.insertMany([{ Rollno: 1, Name: "Amit", Subject: "DBMS", Marks: 75 }, { Rollno: 2, Name: "Riya", Subject: "DBMS", Marks: 68 }, { Rollno: 3, Name: "Vikram", Subject: "DBMS", Marks: 39 }, { Rollno: 4, Name: "Anita", Subject: "DBMS", Marks: 50 }, { Rollno: 5, Name: "Sara", Subject: "DBMS", Marks: 85 }, { Rollno: 6, Name: "Rohit", Subject: "DBMS", Marks: 42 }])

1

db.students.mapReduce(function() { if (this.Subject === "DBMS") { if (this.Marks > 70) emit("Highscores", 1); else if (this.Marks > 40 && this.Marks <= 70) emit("Average scores", 1); else emit("Failed", 1); } }, function(key, values) { return Array.sum(values); }, { out: "scores\_summary" })

2

db.students.mapReduce(function() { emit(this.Subject, 1); }, function(key, values) { return Array.sum(values); }, { out: "subject\_counts" })3

db.student.updateMany({}, { $push: { arrayField: "newValue" } })