

Group B
Assignment no .3

```
gescoe@gescoe-OptiPlex-3010:~$ mongo
MongoDB shell version: 2.6.10
connecting to: test
> db.Stud.insert({Rollno:1,Name:'PRATIK',Marks:80,Branch:'Computer'});
WriteResult({ "nInserted" : 1 })
> db.Stud.insert({Rollno:2,Name:'YASHRAJ',Marks:90,Branch:'Computer'});
WriteResult({ "nInserted" : 1 })
> db.Stud.insert({Rollno:3,Name:'SUYASH',Marks:70,Branch:'IT'});
WriteResult({ "nInserted" : 1 })
> db.Stud.insert({Rollno:4,Name:'SHUBHAM',Marks:60,Branch:'IT'});
WriteResult({ "nInserted" : 1 })
> db.Stud.find().pretty();
{
  "_id" : ObjectId("66fa39da24a4ba4ccf43093c"),
  "Rollno" : 1,
  "Name" : "PRATIK",
  "Marks" : 80,
  "Branch" : "Computer"
}
{
  "_id" : ObjectId("66fa3a0f24a4ba4ccf43093d"),
  "Rollno" : 2,
  "Name" : "YASHRAJ",
  "Marks" : 90,
  "Branch" : "Computer"
}
{
  "_id" : ObjectId("66fa3a2224a4ba4ccf43093e"),
  "Rollno" : 3,
  "Name" : "SUYASH",
  "Marks" : 70,
  "Branch" : "IT"
}
{
  "_id" : ObjectId("66fa3a3824a4ba4ccf43093f"),
  "Rollno" : 4,
  "Name" : "SHUBHAM",
  "Marks" : 60,
  "Branch" : "IT"
}
> show collections;
```

```

> db.Stud.mapReduce(
... .. function(){emit(this.Branch,this.Marks);},
... .. function(key,values){ return Array.sum(values)},
... .. {
... ..   query : {"Marks":{$gt:60}},
... ..   out : "Total_Marks"
... .. }
... .. );
{
  "result" : "Total_Marks",
  "timeMillis" : 215,
  "counts" : {
    "input" : 3,
    "emit" : 3,
    "reduce" : 1,
    "output" : 2
  },
  "ok" : 1
}

```

```

> db.Avg_Marks.find().pretty();
{ "_id" : "Computer", "value" : 85 }
{ "_id" : "IT", "value" : 70 }

```