

SUSHMITHA P.A

1NT19IS170

C2

MAP REDUCE

SUM

```
> var mapFunctional=function () {emit (this.name,this.age); };
> var mapFunction1=function () {emit (this.name, this.age); };
> var reduceFunction1=function (keyname, valuesage) {return
Array.sum(valuesage);      };
> db.employee.mapReduce( mapFunction1, reduceFunction1,
{out:"totals"});
  { "result" : "totals", "ok" : 1 }
> db.totals.find()
```

```
>
> var mapFunctional=function(){ emit (this.name,this.age); };
> var mapFunction1=function(){ emit (this.name,this.age); };
> var reduceFunction1=function(keyname,valuesage) { return Array.sum(valuesage);};
> db.sush.mapReduce( mapFunction1, reduceFunction1, {out:"totals"});
{ "result" : "totals", "ok" : 1 }
> db.totals.find()
{ "_id" : "emp2", "value" : 34 }
{ "_id" : "emp1", "value" : 21 }
{ "_id" : "emp4", "value" : 32 }
{ "_id" : "emp3", "value" : 45 }
{ "_id" : "emp6", "value" : 38 }
{ "_id" : "emp5", "value" : 26 }
>
>
>
```

AVERAGE

```
> var mapFunction1=function(){ emit (this.name,this.age); };
> var reduceFunction1=function(keyname,valuesage) { return Array
.avg(valuesage); };
> db.employee.mapReduce( mapFunction1, reduceFunction1,
{out:"totals"});
  { "result" : "totals", "ok" : 1 }
> db.totals.find()
```

```
> var mapFunction1=function(){ emit (this.name,this.age); };
> var reduceFunction1=function(keyname,valuesage) { return Array .avg(valuesage); };
> db.sush.mapReduce( mapFunction1, reduceFunction1, {out:"totals"});
{ "result" : "totals", "ok" : 1 }
> db.totals.find()
{ "_id" : "emp3", "value" : 45 }
{ "_id" : "emp1", "value" : 21 }
{ "_id" : "emp4", "value" : 32 }
{ "_id" : "emp2", "value" : 34 }
{ "_id" : "emp5", "value" : 26 }
{ "_id" : "emp6", "value" : 38 }
>
```