

## Aggregation - MapReduce

---

### 1. Define the Map Function

```
> var mapFunction1 = function () { emit(this.store,this.available);};
```

### 2. Define the Reduce Function

```
> var reduceFunction1 = function(keyStore,valuesAvailable){return  
Array.sum(valuesAvailable);};
```

### 3. Perform the map-reduce

```
>db.mybookstore.mapReduce(mapFunction1,reduceFunction1,{out:"map_reduc  
e_example1"})
```

```
{  
  "result" : "map_reduce_example1",  
  "timeMillis" : 131,  
  "counts" : {  
    "input" : 12,  
    "emit" : 12,  
    "reduce" : 2,  
    "output" : 5  
  },  
  "ok" : 1,  
}
```

### 4. Check the Output collection

```
> db.map_reduce_example1.find().pretty()
```

```
{ "_id" : "cine book office", "value" : 17 }  
{ "_id" : "laxman book depot", "value" : 32 }  
{ "_id" : "raman book gallery", "value" : 22 }  
{ "_id" : "royal book stores", "value" : 258 }  
{ "_id" : "sameer bandhu", "value" : 78 }
```