

Assignment No 11

❖ Map Reduce

Map Reduce has been deprecated since 4.2.1 version and so we use the aggregate pipeline to implement the same

```
db.balance.mapReduce(  
    function(){emit(this.type,this.bal);},  
    function(key,values){return Array.sum(values)},  
    {    query:{type:"Savings"},  
        out:"Total_Ammount"} )
```

```
switched to db accounts  
accounts>  
balance  
accounts> db.balance.find()  
[  
  {  
    _id: ObjectId("634e99f223e094ea0d04aa72"),  
    acc: 101,  
    bal: 1023,  
    type: 'Savings'  
  },  
  {  
    _id: ObjectId("634e99f223e094ea0d04aa73"),  
    acc: 102,  
    bal: 1231,  
    type: 'Savings'  
  },  
  {  
    _id: ObjectId("634e99f223e094ea0d04aa74"),  
    acc: 103,  
    bal: 12344,  
    type: 'Current'  
  }  
]  
...    function(){emit(this.type,this.bal);},  
...    function(key,values){return Array.sum(values)},  
...    {  
...      query:{type:"Savings"},  
...      out:"Total_Ammount"  
...    }  
accounts>  
DeprecationWarning: Collection.mapReduce() is deprecated. Use an aggregation instead.  
accounts>  
{ result: 'Total_Ammount', ok: 1 }  
accounts>  
  
accounts> db.Total_Ammount.find()  
[ { _id: 'Savings', value: 2254 } ]  
accounts> ■
```