## **Group C: Assignment No.4**

Implement Map reduces operation with suitable example on above MongoDB database.

1) Return the Total Price Per Customer

2) Calculate Order and Total Quantity with Average Quantity Per Item

```
> db.map_reduce_example2.find().sort( { _id: 1 } )
{ "_id" : "apples", "value" : { "count" : 4, "qty" : 35, "avg" : 8.75 } }
{ "_id" : "carrots", "value" : { "count" : 2, "qty" : 15, "avg" : 7.5 } }
{ "_id" : "chocolates", "value" : { "count" : 3, "qty" : 15, "avg" : 5 } }
{ "_id" : "oranges", "value" : { "count" : 7, "qty" : 63, "avg" : 9 } }
{ "_id" : "pears", "value" : { "count" : 1, "qty" : 10, "avg" : 10 } }
```

## 3) Total items for each type

```
> db.orders.mapReduce(function(){for(i=0;i<this.items.length;i++){var key=this.items[i].sku;value=this.items[i].qty;emit(key,value)}},fu
nction(key,values){return Array.sum(values);},{out:"units"})
{ "result" : "units", "ok" : 1 }
> db.units.find().pretty()
{ "_id" : "chocolates", "value" : 15 }
{ "_id" : "carrots", "value" : 15 }
{ "_id" : "pears", "value" : 10 }
{ "_id" : "oranges", "value" : 63 }
{ "_id" : "apples", "value" : 35 }
>
```