

8. Perform a MapReduce operation to count the number of active books for each author.

```
var mapFunction = function() { if (this.status === "active")  
{ emit(this.author_name, 1); } }; var reduceFunction = function(key, values)  
{ return Array.sum(values); }; db.books.mapReduce( mapFunction, reduceFunction,  
{ out: "active_books_count" } ); // To view the results:  
db.active_books_count.find();
```

```
schoolDB> var mapFunction = function() {  
...   if (this.status === "active") {  
...     emit(this.author_name, 1);  
...   }  
... };  
  
schoolDB> var reduceFunction = function(key, values) {  
...   return Array.sum(values);  
... };  
  
schoolDB> db.books.mapReduce(  
...   mapFunction,  
...   reduceFunction,  
...   {  
...     out: "active_books_count"  
...   }  
... );  
{ result: 'active_books_count', ok: 1 }  
schoolDB> db.active_books_count.find();  
[ { _id: 'Alice', value: 2 } ]
```