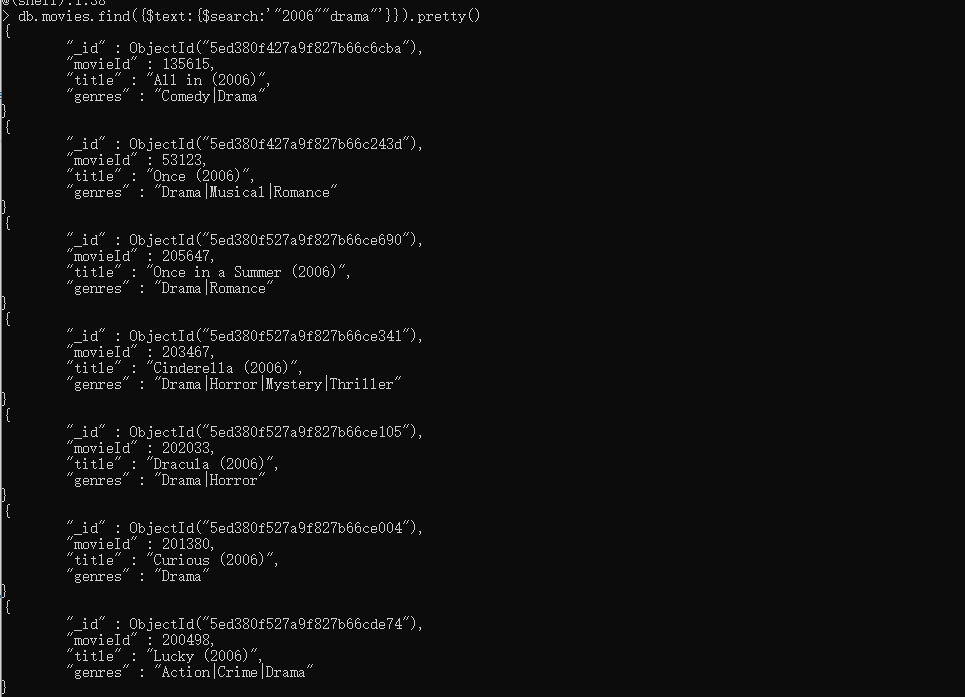
# **PART 4 - MongoDB** **Text search (refer to chapter 9).**

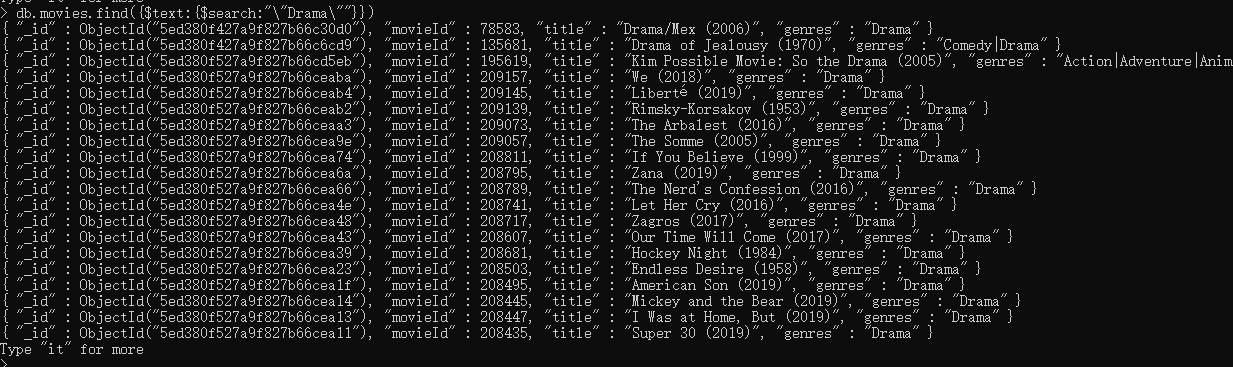
## **Q1** Specify and word matches instead of or word matches.

Find documents with “2006” and “Drama”



## Q2 Perform exact phrase matches.

Find documents with phrase “Drama”



## Q3 Exclude documents with certain words.

Find documents with “2006” but without “Drama”



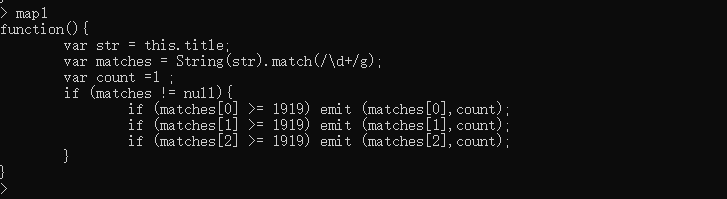
## Q4 Exclude documents with certain phrases.

Find documents with phrases “Drama” but without phrases “Drama 2016”

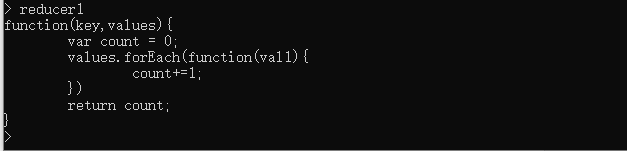


# **PART 5 - PROGRAMMING ASSIGNMENT**

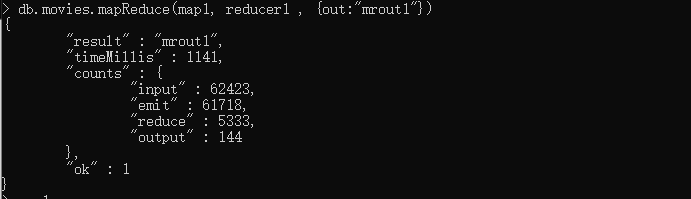
## Q1 Number of Movies released per year (Movies Collection)

MAP: 

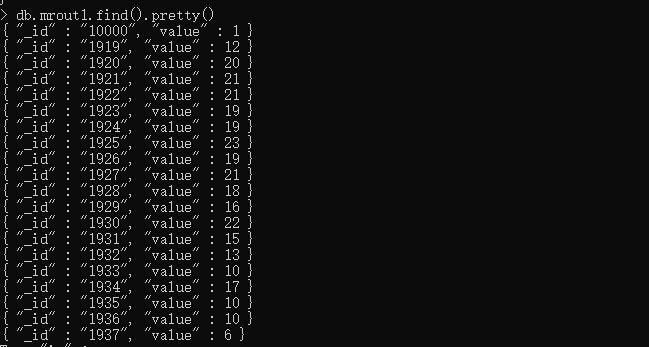
Reducer:



MapReduce:



MRout:

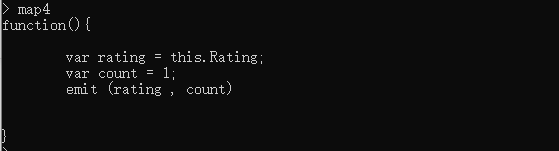


## Q2 Number of Movies per genre (Movies Collection)

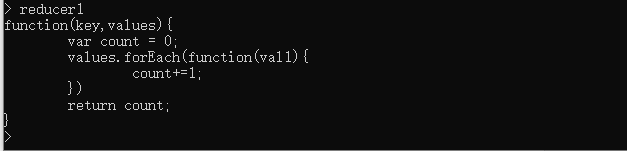
MAP:

## Q3 Number of Movies per rating (Ratings Collection)

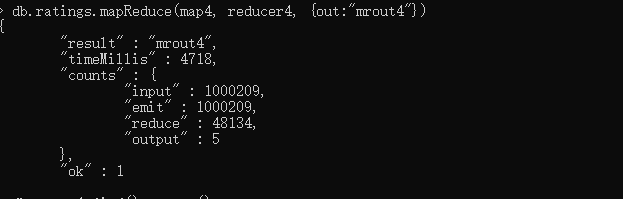
MAP:



Reduce:



MapReduce:

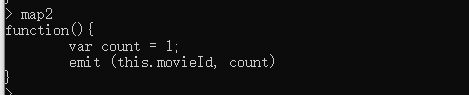


MRout4：

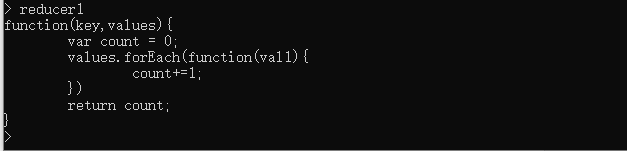


## Q4 Number of times each movie was tagged (Tags Collection)

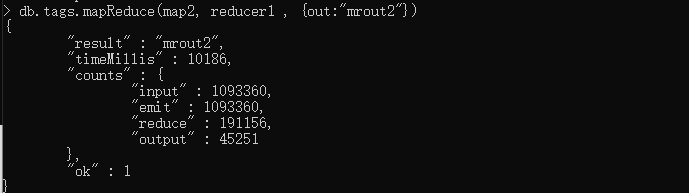
MAP:



Reducer:



MapReduce:



MRout:

