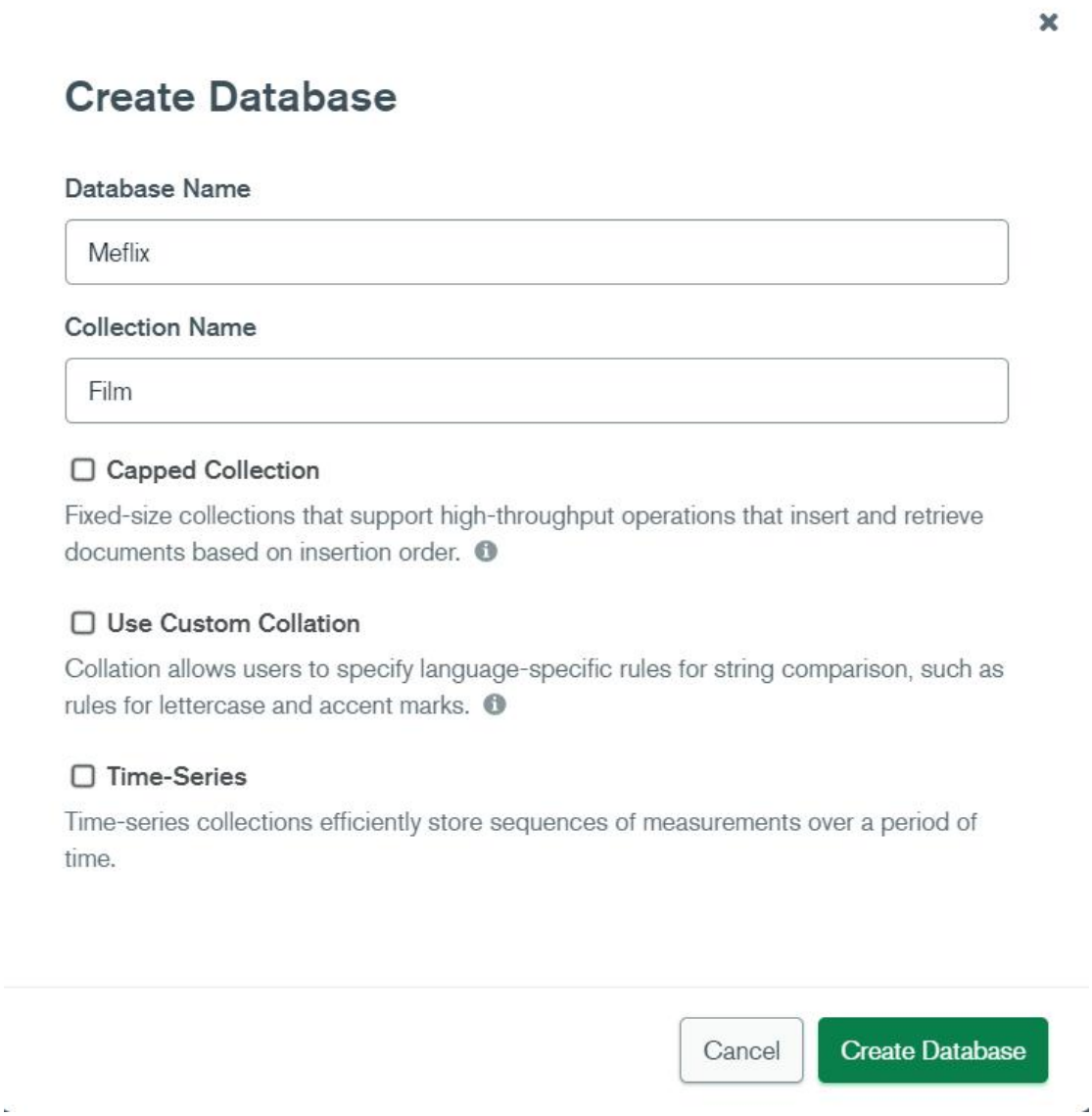
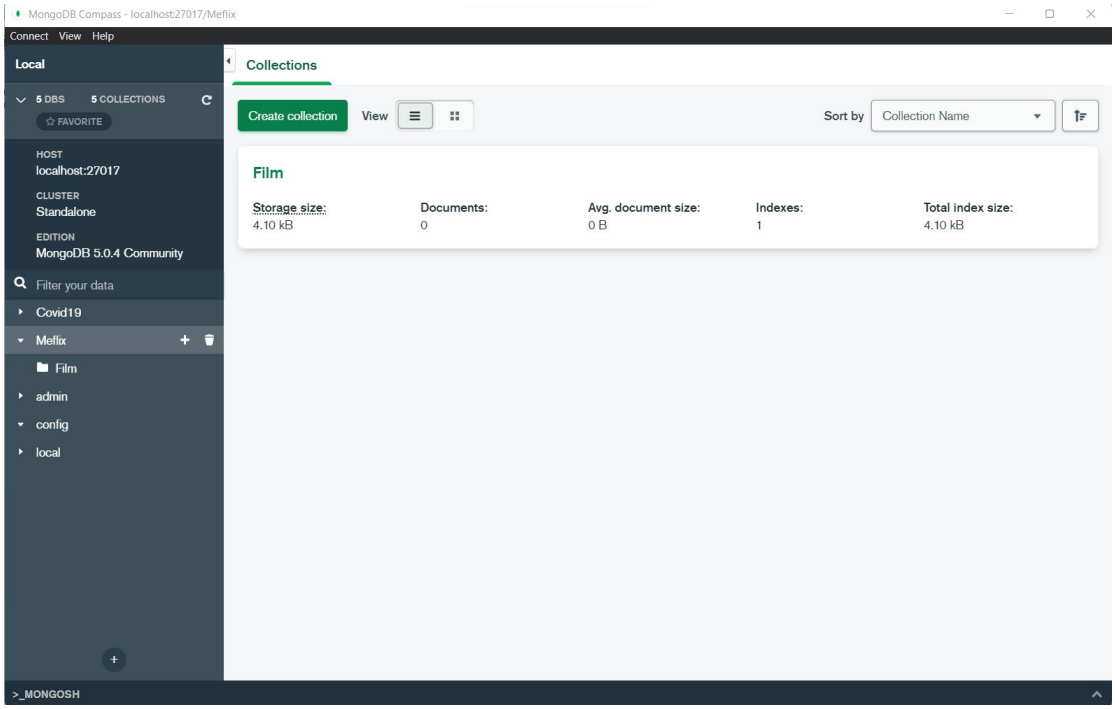
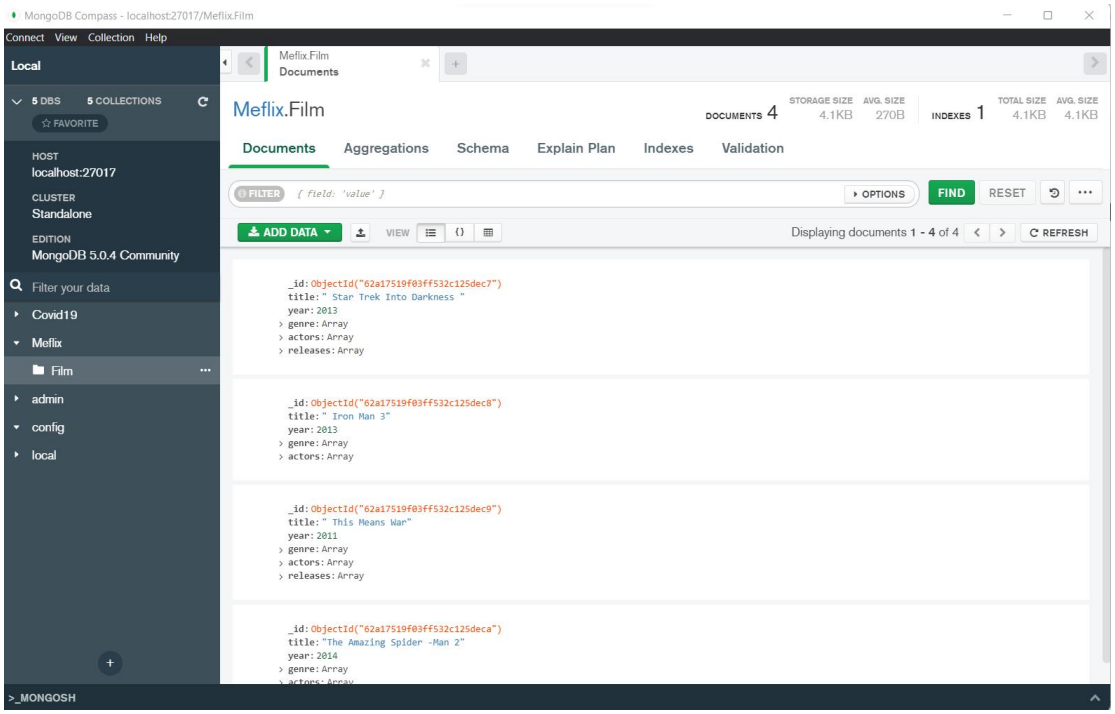
1. Create a database called Meflix and collection called Film

2. Insert the following data (the following format is in standard JSON, you might need to modified a bit to suit with Compass, you can see from the demo video). You can use insert one line by line or insert many using array.





[{ "title" : " Star Trek Into Darkness ", "year" : 2013 , "genre" : [" Action ", " Adventure ","Sci -Fi"], "actors" : ["Pine , Chris ","Quinto , Zachary "," Saldana , Zoe"], "releases" : [{ "country" : "USA", "date" : " 2013 -05 -17 ", "prerelease" : true}, { "country" : " Germany ","date" : " 2003 -05 -16 " , "prerelease" : false}] },
{ "title" : " Iron Man 3", "year" : 2013 , "genre" : [" Action "," Adventure ","Sci -Fi"], "actors" : [" Downey Jr., Robert "," Paltrow , Gwyneth "] },
{ "title" : " This Means War", "year" : 2011 , "genre" : [" Action "," Comedy "," Romance "], "actors" : ["Pine , Chris "," Witherspoon , Reese ","Hardy , Tom"], "releases" : [{"country" : "USA", "date" : " 2011 -02 -17 ", "prerelease" : false}, {"country" : "UK", "date" : " 2011 -03 -01 ", "prerelease" : true}] },
{ "title" : "The Amazing Spider -Man 2", "year" : 2014 , "genre" : [" Action "," Adventure "," Fantasy "], "actors" : ["Stone , Emma "," Woodley , Shailene "]}]

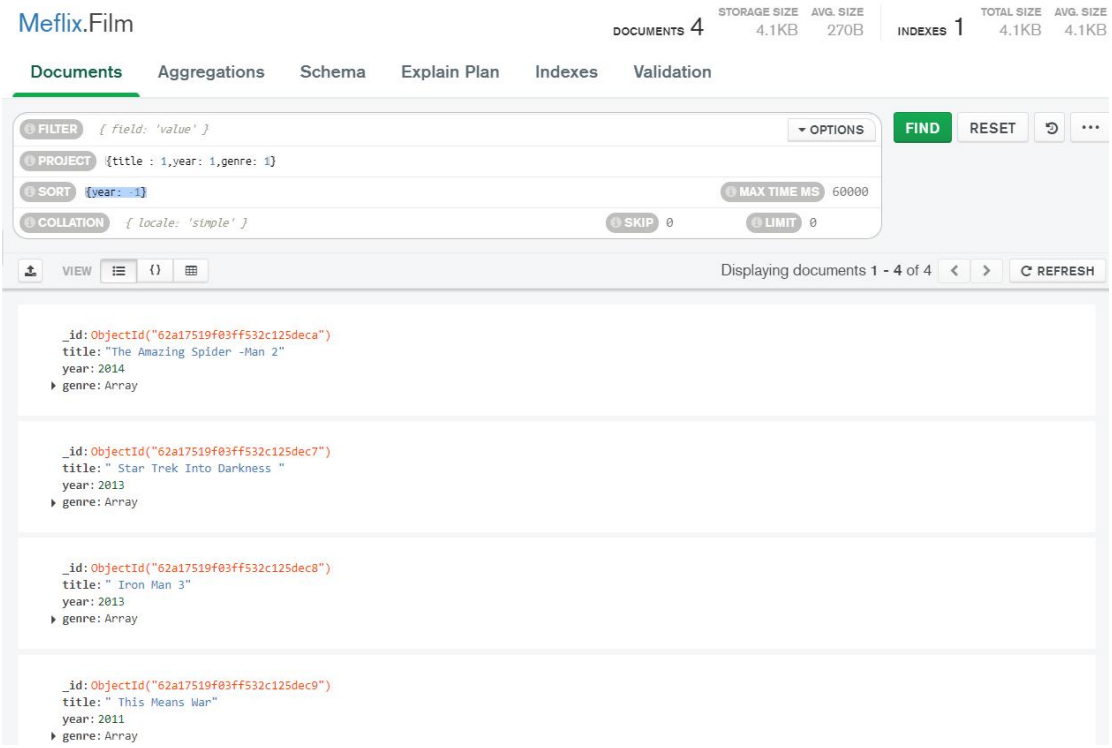


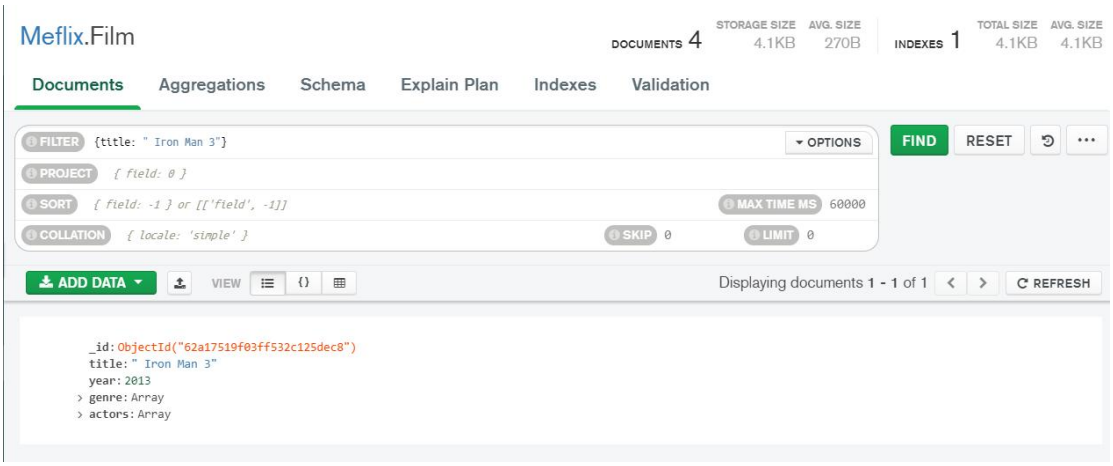
3. Perform Queries (Read) (Find and projection)

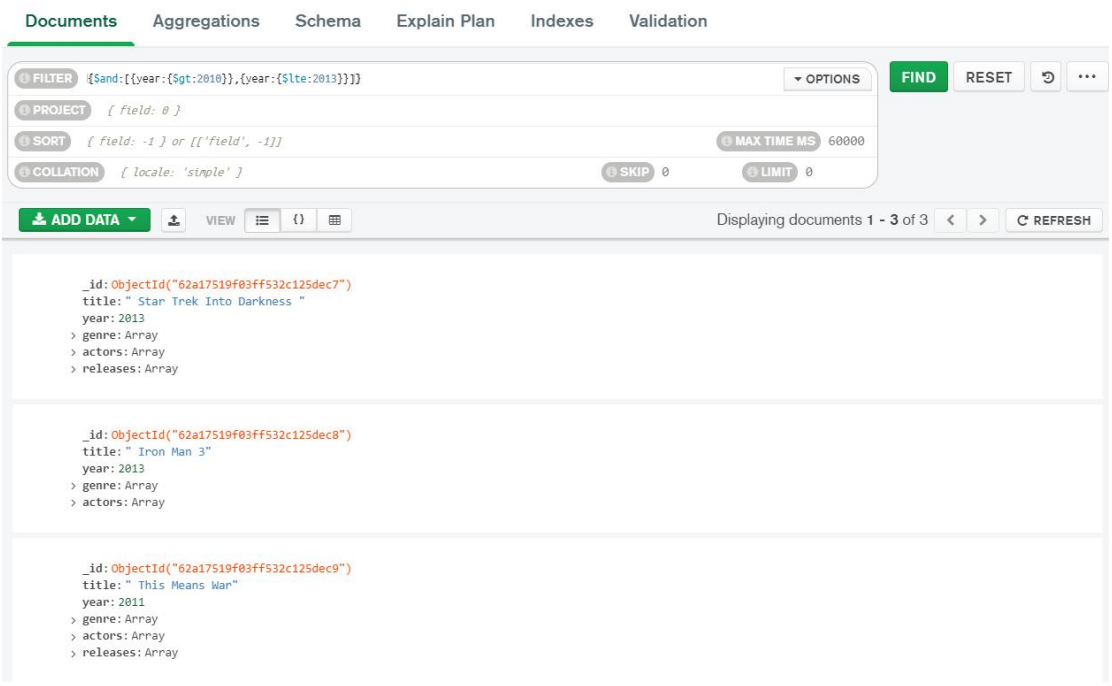
i. Write a query that return all film with field title , year, genre and sort according to year Hint: Field: 0 (field not return, Field: 1 (field will return) set in the projection

ii. Write a query that return movie title Iron man 3, Hint: find ({title: “Iron Man 3”})

iii.Write a query that return movie with year greater than 2010 and less than or equal to 2013 Hint : {$and:[{year:{$gt:2010}},{year:{$lte:2013}}]}

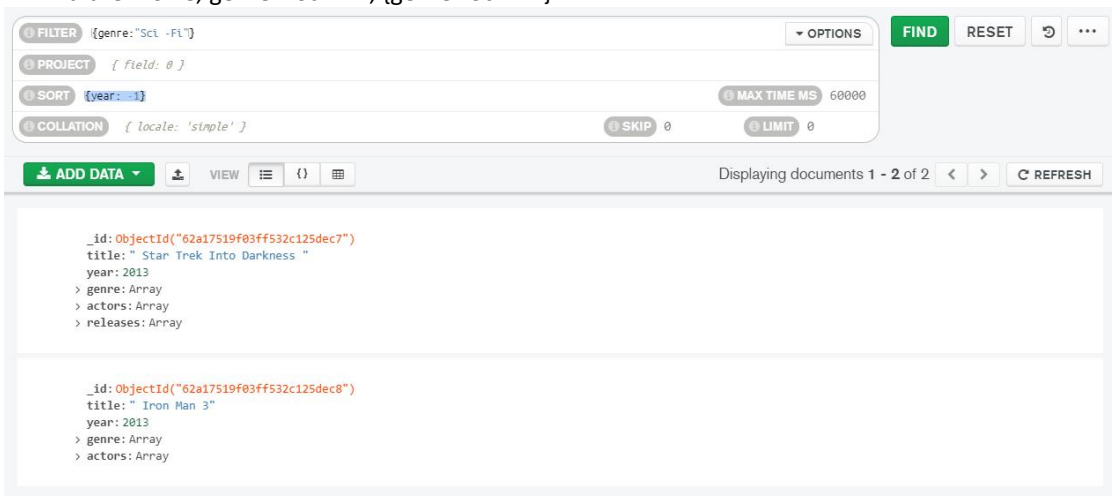






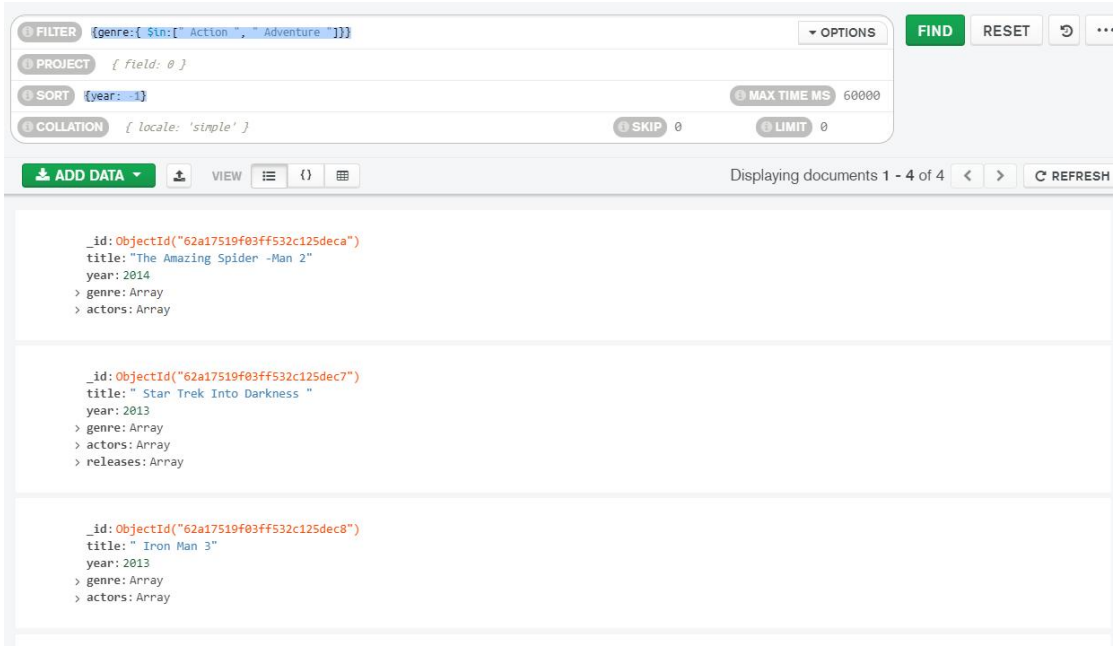
Query array and nested object

iii. Find the movie, genre="Sci-Fi" , {genre:"Sci -Fi"}



iv. Write a query that return the movie genre "Action" and "Adventure"

Hint use {genre:{ $in:[" Action ", " Adventure "]}}



vi.Write a query that return a document with title for every movie release in UK vii. Write a query that return the documents that have prerelease in USA