

Master of Computer Applications (MCA)

BDT : PROJECT

- GROUP MEMBER :**

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- INTERNAL PROJECT GUIDE : Jinalmem**

DATASET : NETFLIX

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1		type	title	director	cast	country	date_added	release_y	rating	duration	listed_in	description			
2	s1	Movie	Dick John	Kirsten Johnson		United St	September 25,	2020	PG-13	90 min	Document	As her father nears the end of his life			
3	s2	TV Show	Blood & Water		Ama Qam	South Afri	September 24,	2021	TV-MA	2 Seasons	Internatio	After crossing paths at a party, a Cape			
4	s3	TV Show	Ganglands	Julien Lec	Sami Bouajila, Tracy		September 24,	2021	TV-MA	1 Season	Crime TV	To protect his family from a powerfu			
5	s4	TV Show	Jailbirds	New Orleans			September 24,	2021	TV-MA	1 Season	Docuserie	Feuds, flirtations and toilet talk go d			
6	s5	TV Show	Kota Factory		Mayur Mo	India	September 24,	2021	TV-MA	2 Seasons	Internatio	In a city of coaching centers known to			
7	s6	TV Show	Midnight	Mike Flan	Kate Siegel, Zach Gil		September 24,	2021	TV-MA	1 Season	TV Drama	The arrival of a charismatic young pri			
8	s7	Movie	My Little	Robert Cu	Vanessa Hudgens, Ki		September 24,	2021	PG	91 min	Children &	Equestria's divided. But a bright-eyer			
9	s8	Movie	Sankofa	Haile Geri	Kofi Ghan	United St	September 24,	1993	TV-MA	125 min	Dramas, Ir	On a photo shoot in Ghana, an Ameri			
10	s9	TV Show	The Great	Andy Dev	Mel Giedr	United Kir	September 24,	2021	TV-14	9 Seasons	British TV	A talented batch of amateur bakers f			
11	s10	Movie	The Starli	Theodore	Melissa M	United St	September 24,	2021	PG-13	104 min	Comedies	A woman adjusting to life after a loss			
12	s11	TV Show	Vendetta: Truth, Lies and The Mafia				September 24,	2021	TV-MA	1 Season	Crime TV	Sicily boasts a bold "Anti-Mafia" coal			
13	s12	TV Show	Bangkok	E Kongkiat	Sukollawat Kanarot,		September 23,	2021	TV-MA	1 Season	Crime TV	Struggling to earn a living in Bangkok			
14	s13	Movie	Je Suis Kai	Christian	Luna Wed	Germany,	September 23,	2021	TV-MA	127 min	Dramas, Ir	After most of her family is murdered			
15	s14	Movie	Confessio	Bruno Gar	Klara Castanho, Lucc		September 22,	2021	TV-PG	91 min	Children &	When the clever but socially-awkwar			
16	s15	TV Show	Crime Stories: India Detectives				September 22,	2021	TV-MA	1 Season	British TV	Cameras following Bengaluru police			
17	s16	TV Show	Dear White People		Logan Bro	United St	September 22,	2021	TV-MA	4 Seasons	TV Comed	Students of color navigate the daily s			
18	s17	Movie	Europe's	Pedro de Echave	García-a, Pablo		September 22,	2020	TV-MA	67 min	Document	Declassified documents reveal the p			
19	s18	TV Show	Falsa identidad		Luis Ernes	Mexico	September 22,	2020	TV-MA	2 Seasons	Crime TV	Strangers Diego and Isabel flee their			
20	s19	Movie	Intrusion	Adam Sall	Freida Pinto, Logan		September 22,	2021	TV-14	94 min	Thrillers	After a deadly home invasion at a coi			
21	s20	TV Show	Jaguar		Blanca Suárez, Iván		September 22,	2021	TV-MA	1 Season	Internatio	In the 1960s, a Holocaust survivor joi			

1.

```
Netflix> db.Netflix.find({$or:{{duration :{$gt : "90"}},{duration : {$lt :100}}}}, {duration:1, _id:0}).limit(20)
```

```
[
  { duration: '90 min' }, { duration: '91 min' },
  { duration: '91 min' }, { duration: '94 min' },
  { duration: '97 min' }, { duration: '96 min' },
  { duration: '98 min' }, { duration: '91 min' },
  { duration: '99 min' }, { duration: '99 min' },
  { duration: '93 min' }, { duration: '96 min' },
  { duration: '95 min' }, { duration: '97 min' },
  { duration: '95 min' }, { duration: '93 min' },
  { duration: '96 min' }, { duration: '95 min' },
  { duration: '92 min' }, { duration: '91 min' }
]
```

2.

```
Netflix> db.Netflix.find({ title: { $regex: /k$/ }, release_year: { $gte: 2021 }
},{release_year:1,title:1,_id:0})
```

```
[
  { title: 'Bartkowiak', release_year: 2021 },
  { title: 'Generation 56k', release_year: 2021 },
  { title: 'Sophie: A Murder in West Cork', release_year: 2021 },
  { title: 'Sisters on Track', release_year: 2021 },
  { title: 'Record of Ragnarok', release_year: 2021 },
  { title: 'Trese After Dark', release_year: 2021 },
  { title: 'Ragnarok', release_year: 2021 },
  { title: 'Trash Truck', release_year: 2021 },
  { title: 'Pacific Rim: The Black', release_year: 2021 }
]
```

3.

Netflix>

db.Netflix.find({\$or:[{release_year:{\$lt:2018}},{release_year:{\$gte:2022}}]},{title:1,_id:0})

```
[
  { title: 'Sankofa' },
  { title: 'Avvai Shanmughi' },
  { title: 'Jeans' },
  { title: 'Minsara Kanavu' },
  { title: 'Grown Ups' },
  { title: 'Dark Skies' },
  { title: 'Paranoia' },
  { title: 'Birth of the Dragon' },
  { title: 'Jaws' },
  { title: 'Jaws 2' },
  { title: 'Jaws 3' },
  { title: 'Jaws: The Revenge' },
  { title: 'Safe House' },
  { title: 'Training Day' },
  { title: 'Dharmakshetra' },
  {
    title: 'InuYasha the Movie 2: The Castle Beyond the Looking Glass'
  },
  { title: 'InuYasha the Movie 3: Swords of an Honorable Ruler' },
  { title: 'InuYasha the Movie 4: Fire on the Mystic Island' },
  { title: 'InuYasha the Movie: Affections Touching Across Time' },
  { title: 'Naruto Shippuden the Movie: Blood Prison' }
]
```

4.

```
Netflix> db.Netflix.updateMany( { $or: [{ release_year: { $lt: 2020 } }, {  
release_year: { $gte: 2022 } } ] }, { $set: { movie_tickets: 600 } } )
```

```
{  
  acknowledged: true,  
  insertedId: null,  
  matchedCount: 7262,  
  modifiedCount: 7262,  
  upsertedCount: 0  
}
```

5.

```
db.Netflix.find({$or:[{description:{$regex:/Struggling/}}, {description:{$regex:  
/visitation/}}]}, {title:1, _id:0}).pretty()
```

```
[  
  { title: 'Bangkok Breaking' },  
  { title: 'Avvai Shanmughi' },  
  { title: 'Sleight' },  
  { title: 'Black Rose' },  
  { title: 'After Life' },  
  { title: 'Private Life' },  
  { title: 'Spivak' },  
  { title: 'The Price of Success' },  
  { title: 'Loving You' },  
  { title: 'Recall' },  
  { title: 'The Dark Side of Life: Mumbai City' },  
  { title: 'What Still Remains' }  
]
```

6.

```
Netflix> var map = function(){emit(this.rating,this.movie_tickets);}
```

```
Netflix> var reduce = function(key,values){return Array.sum(values);}
```

```
Netflix> db.Netflix.mapReduce(map,reduce,{out:"Totle_Movie_tickets"});
```

```
{ result: 'Totle_Movie_tickets', ok: 1 }
```

```
Netflix> db.Totle_Movie_tickets.find()
```

```
[  
  { _id: null, value: 3750 },  
  { _id: '74 min', value: 600 },  
  { _id: 'G', value: 24650 },  
  { _id: 'TV-Y7-FV', value: 3600 },  
  { _id: 'UR', value: 1800 },  
  { _id: 'NC-17', value: 1800 },  
  { _id: '84 min', value: 600 },  
  { _id: 'PG', value: 173500 },  
  { _id: 'PG-13', value: 295750 },  
  { _id: 'TV-PG', value: 524050 },  
  { _id: 'NR', value: 48000 },  
  { _id: 'TV-MA', value: 1960500 },  
  { _id: '66 min', value: 600 },  
  { _id: 'R', value: 482850 },  
  { _id: 'TV-G', value: 135300 },  
  { _id: 'TV-Y7', value: 204100 },  
  { _id: 'TV-14', value: 1312250 },  
  { _id: 'TV-Y', value: 188450 }  
]
```

7.

```
db.Netflix.aggregate([{$match: {release_year: 2021,Address:
"Ahmedabad"}},{$group: {_id: "$release_year",count: { $sum: 1 }}}])
```

```
[ { _id: 2021, count: 592 } ]
```

8.

Netflix>

```
db.Netflix.aggregate({$group:{_id:"$type",totaltime:{$max:"$duration"}}})
```

```
[
```

```
  { _id: 'Movie', totaltime: '99 min' },
```

```
  { _id: 'TV Show', totaltime: '9 Seasons' },
```

```
  { _id: null, totaltime: null }]
```

9.

```
Netflix> db.Netflix.aggregate({$match: {type:"Movie"}},{$group: {_id:
"$release_year",TotaleIncome : { $sum:"$movie_tickets" }}})
```

```
[
```

```
  { _id: 1994, TotaleIncome: 12000 },
```

```
  { _id: 1974, TotaleIncome: 3600 },
```

```
  { _id: 1956, TotaleIncome: 1200 },
```

```
  { _id: 1983, TotaleIncome: 6600 },
```

```
  { _id: 1988, TotaleIncome: 9600 },
```

```
  { _id: 2021, TotaleIncome: 179400 },
```

```
  { _id: 2001, TotaleIncome: 24000 },
```

```
  { _id: 2006, TotaleIncome: 49200 },
```

```
  { _id: 1984, TotaleIncome: 7200 },
```

```
  { _id: 1996, TotaleIncome: 12600 },
```

```
  { _id: 1972, TotaleIncome: 2400 },
```

```
{ _id: 1973, TotaleIncome: 6000 },
{ _id: 1992, TotaleIncome: 12000 },
{ _id: 1985, TotaleIncome: 5400 },
{ _id: 2008, TotaleIncome: 67800 },
{ _id: 2015, TotaleIncome: 238800 },
{ _id: 1968, TotaleIncome: 1800 },
{ _id: 1946, TotaleIncome: 600 },
{ _id: 1971, TotaleIncome: 3000 },
{ _id: 1944, TotaleIncome: 1800 }
]
```

10.

db.Netflix.aggregate({\$group:{_id:"\$release_year",TotleIncome:{\$sum:"\$Income"}}})

```
[
{ _id: 1972, TotleIncome: 50000 },
{ _id: 2003, TotleIncome: 0 },
{ _id: 1967, TotleIncome: 50000 },
{ _id: 2018, TotleIncome: 0 },
{ _id: 1965, TotleIncome: 20000 },
{ _id: 1925, TotleIncome: 10000 },
{ _id: 1987, TotleIncome: 80000 },
{ _id: 2011, TotleIncome: 0 },
{ _id: 2004, TotleIncome: 0 },
{ _id: 1991, TotleIncome: 0 },
{ _id: 1997, TotleIncome: 0 },
{ _id: 2010, TotleIncome: 0 },
```

```
{ _id: 2014, TottleIncome: 0 },
{ _id: 1975, TottleIncome: 70000 },
{ _id: 1981, TottleIncome: 130000 },
{ _id: 1976, TottleIncome: 90000 },
{ _id: 2009, TottleIncome: 0 },
{ _id: 1947, TottleIncome: 10000 },
{ _id: 1945, TottleIncome: 40000 },
{ _id: 1960, TottleIncome: 40000 }
]
```

11.

db.Netflix.aggregate({\$match:{Address:"Ahmedabad"}},{ \$group:{_id:"\$date_added",Total_Time:{\$min:"\$duration"}}})

```
[
{ _id: 'June 13, 2021', Total_Time: '89 min' },
{ _id: 'September 8, 2021', Total_Time: '2 Seasons' },
{ _id: 'August 23, 2021', Total_Time: '122 min' },
{ _id: 'January 20, 2021', Total_Time: '1 Season' },
{ _id: 'June 15, 2021', Total_Time: '1 Season' },
{ _id: 'April 5, 2021', Total_Time: '140 min' },
{ _id: 'November 15, 2020', Total_Time: '2 Seasons' },
{ _id: 'February 13, 2020', Total_Time: '1 Season' },
{ _id: 'May 8, 2021', Total_Time: '104 min' },
{ _id: 'March 9, 2021', Total_Time: '1 Season' },
{ _id: 'February 12, 2021', Total_Time: '1 Season' },
{ _id: 'September 11, 2021', Total_Time: '145 min' },
{ _id: 'April 2, 2021', Total_Time: '112 min' },
```



```
{_id: 'January 29, 2021', Total_Time: '1 Season' },
{_id: 'May 20, 2021', Total_Time: '2 Seasons' },
{_id: 'August 27, 2021', Total_Time: '1 Season' },
{_id: 'February 25, 2021', Total_Time: '106 min' },
{_id: 'August 4, 2021', Total_Time: '1 Season' },
{_id: 'September 7, 2021', Total_Time: '1 Season' },
{_id: 'June 3, 2021', Total_Time: '1 Season' }
]
```

12.

```
Netflix> var x = function(){emit(this.country,this.movie_tickets);}
```

```
Netflix> var z = function(key,values){return Array.max(values);}
```

```
db.Netflix.mapReduce(x,z,{out:"Totle_Income"});
```

```
{ result: 'Totle_Income', ok: 1 }
```

```
db.Totle_Income.find().sort({value:-1})
```

```
[
  {_id: 'United States', value: 1714500 },
  {_id: 'India', value: 588500 },
  {_id: null, value: 515000 },
  {_id: 'United Kingdom', value: 254700 },
  {_id: 'Japan', value: 148600 },
  {_id: 'South Korea', value: 121750 },
  {_id: 'Canada', value: 110050 },
  {_id: 'Spain', value: 88750 },
  {_id: 'France', value: 75550 },
]
```

```
{ _id: 'Mexico', value: 67800 },  
{ _id: 'Egypt', value: 63800 },  
{ _id: 'Turkey', value: 63550 },  
{ _id: 'Nigeria', value: 57800 },  
{ _id: 'Australia', value: 53000 },  
{ _id: 'Taiwan', value: 49150 },  
{ _id: 'Indonesia', value: 48350 },  
{ _id: 'Brazil', value: 47400 },  
{ _id: 'United Kingdom, United States', value: 45450 },  
{ _id: 'Philippines', value: 45250 },  
{ _id: 'United States, Canada', value: 44100 }  
]
```

Type "it" for more