

CouchDB Homework

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1 Give all titles

Query :

```
function(doc) {  
  emit(doc.title , doc);  
}
```

Response :



_id	id	key	value
 5b7358ce217a7de007044292c417...	5b7358ce217a7de007044292c417...	...And God Spoke	{ "_id": "5b7358ce217a7de0070442..."
 5b7358ce217a7de007044292c421...	5b7358ce217a7de007044292c421...	10 Years	{ "_id": "5b7358ce217a7de0070442..."

FIGURE 1 – Reponse Question 1

2 Titles of the movies published after 2000

Query :

```
function(doc) {  
  var d, year;  
  d = new Date(doc.year);  
  year = d.getFullYear();  
  if(year > 2000) {  
    emit(doc.title , doc);  
  }  
}
```

Response :



_id	id	key	value
 5b7358ce217a7de007044292c420...	5b7358ce217a7de007044292c420...	Adam and Dog	{ "_id": "5b7358ce217a7de0070442..."
 5b7358ce217a7de007044292c417...	5b7358ce217a7de007044292c417...	Amsterdamned	{ "id": "5b7358ce217a7de0070442..."

FIGURE 2 – Reponse Question 2

3 Summary of “Spider-Man”

Query :

```
function(doc) {  
    if(doc.title == "Spider-Man") {  
        emit(doc.title , doc.summary);  
    }  
}
```

Response :


_id	id	key	value
 5b7358ce217a7de007044292c413a...	5b7358ce217a7de007044292c413a...	Spider-Man	Optional upward-trending capacity

FIGURE 3 – Reponse Question 3

4 Who is the director of Heat ?

Query :

```
function(doc) {  
    if(doc.title == "Heat") {  
        emit(doc.director , doc);  
    }  
}
```

Response :

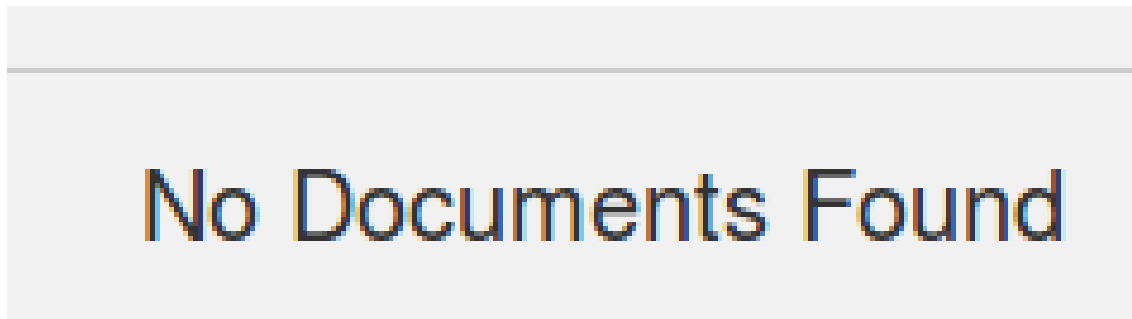


FIGURE 4 – Reponse Question 4

5 Title of the movies featuring Kirsten Dunst.

Query :

```
function(doc) {  
    doc.actors.forEach(function(actor) {
```

```

        if (actor.name == "Kirsten Dunst"){
            emit(doc.title , doc);
        }
    });
}

```

Response :

_id	id	key	value
 5b7358ce217a7de007044292c413a...	5b7358ce217a7de007044292c413a...	But I'm a Cheerleader	{ "_id": "5b7358ce217a7de0070442..."

FIGURE 5 – Reponse Question 5

6 What was the role of Clint Eastwood in Unforgiven ?

Query :

```

function(doc) {
    if(doc.title == "Unforgiven") {
        doc.actors.forEach(function(actor) {
            if(actor.name == "Clint Eastwood") {
                emit(doc.title , actor.role);
            }
        });
    }
}

```

Response :

_id	id	key	value
 5b7358ce217a7de007044292c413d...	5b7358ce217a7de007044292c413d...	Unforgiven	Doralynn Dowey

FIGURE 6 – Reponse Question 6

7 Get the movies whose cast consists of exactly three actors ?

Query :

```

function(doc) {
    var count = 0;
    doc.actors.forEach(function(actor) {
        count++;
    });

    if(count == 3) {
        emit(doc , doc.title);
    }
}

```

Response :




_id	id	key	value
 5b7358ce217a7de007044292c413...	5b7358ce217a7de007044292c413...	{ "_id": "5b7358ce217a7de0070442..."	Unforgiven
 5b7358ce217a7de007044292c414...	5b7358ce217a7de007044292c414...	{ "_id": "5b7358ce217a7de0070442..."	Frosty the Snowman
 5b7358ce217a7de007044292c414...	5b7358ce217a7de007044292c414...	{ "_id": "5b7358ce217a7de0070442..."	Campus Man

FIGURE 7 – Reponse Question 7

8 Create a flat list of all the title-role pairs.

Query version 1 :

```
function(doc) {  
  var count = 0;  
  doc.actors.forEach(function(actor) {  
    emit(doc.title , actor.role);  
  });  
}
```

Query version 2 :

```
function(doc) {  
  for(var actor in doc.actors){  
    emit(doc.title ,doc.actors[actor].role)  
  }  
}
```

Response :





_id	id	key	value
 5b7358ce217a7de007044292c417...	5b7358ce217a7de007044292c417...	...And God Spoke	Frederico Wilder
 5b7358ce217a7de007044292c417...	5b7358ce217a7de007044292c417...	...And God Spoke	Cass Faulkner
 5b7358ce217a7de007044292c417...	5b7358ce217a7de007044292c417...	...And God Spoke	Carina Lambert
 5b7358ce217a7de007044292c417...	5b7358ce217a7de007044292c417...	...And God Spoke	Ameline Blazhevich

FIGURE 8 – Reponse Question 8

9 Get a movie given its title

Query :

```
function(doc) {  
  emit(doc.title ,doc)  
}
```

http://localhost:5984/tpfinal/_design/designDoc/_view/q9?key=%2210%20Years%22

Response :



FIGURE 9 – Reponse Question 9

10 Get the movies featuring an actor's name.

Query :

```
function(doc) {
  for(var a in doc.actors){
    emit(doc.actors[a].name, doc.title);
  }
}
```

`http://localhost:5984/tpfinal/_design/designDoc/_view/q10?key=%22Fan%20Sweed%22`

Response :



FIGURE 10 – Reponse Question 10

11 Get the title of movies published a given year or in a year range.

Query :

```

function(doc) {
  var d, year;
  d = new Date(doc.year);
  year = d.getFullYear();
  emit(year, doc.title)
}

```

http://localhost:5984/tpfinal/_design/designDoc/_view/q11?key=1962

Response :

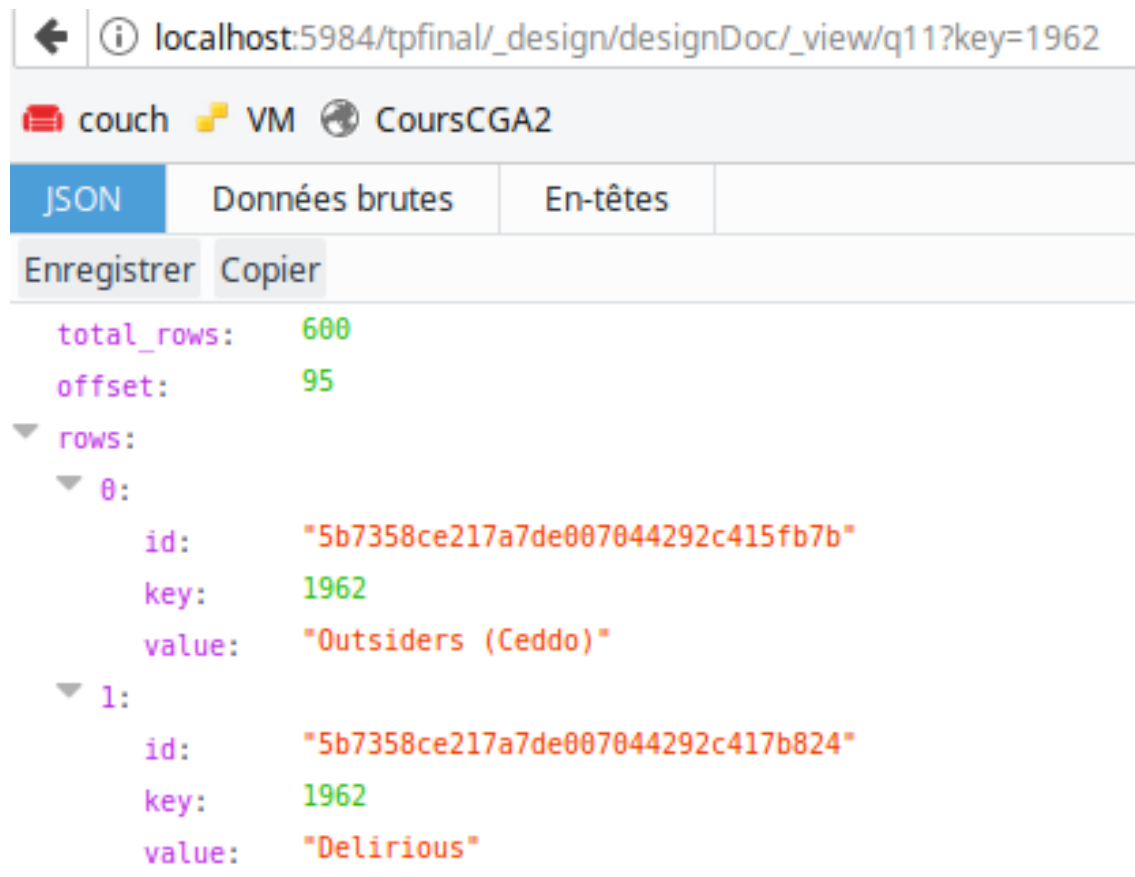


FIGURE 11 – Reponse Question 11

12 Show the movies where the director is also an actor.

Query :

```

function(doc) {
  for(var actor in doc.actors){
    if(doc.actors[actor].name == doc.director){
      emit(doc.title ,doc.actors[actor].name);
    }
  }
}

```

Response :

_id	id	key	value
5b7358ce217a7de007044292c413a...	5b7358ce217a7de007044292c413a...	Abile Bill	Abile Bill

FIGURE 12 – Reponse Question 12




13 Show the directors, along with the list of their films.

Query :

```
function(doc) {
  emit(doc.director , doc.title)
}

function (keys, values, rereduce) {
  var results = "";
  return results.concat(values);
}
```

Response :

 5b7358ce217a7de007044292c413...	5b7358ce217a7de007044292c413...	Abile Bill	Yellow
 5b7358ce217a7de007044292c413...	5b7358ce217a7de007044292c413...	Abile Bill	Abile Bill
 Abile Bill			Yellow,Abile Bill

14 Show the actors, along with the list of directors of the film they played in.




Query :

```
function (doc) {
  for(var i in doc.actors){
    emit(doc.actors[i].name, doc.director);
  }
}

function (keys, values, rereduce) {
  var results = "";
  return results.concat(values);
}
```

Response :

_id	id	key	value
 5b7358ce217a7de007044292c418...	5b7358ce217a7de007044292c418...	Aaren Franzetti	Sherwynd Ragsdall

key	value
 Aaren Franzetti	Sherwynd Ragsdall
 Abigael Goosey	Roma Putton
 Abile Bill	Abile Bill