

```
326-040 • WK 48
                                 Beers .
 query 1: Wants everything
                           from
   SQL: - SELECT
             FROM Beers
               db beers-find []
 mangod B:-
 query 2:- sal: - select beer, price
                    FROM Sells
                     db. Sells . find 13
        MangoDB:
                      { },
                      {beer:1, price:13 -{beer:1.
Query3: - SQL: - SFLECT manf
                      FROM Beers
                      WHERE name = Heineken 1
                   db. beers-Find &
     MangoDB :-
                   [name: Heineken 13 [manf:1, -id:0]
 6 00
 Query 4: - SQL: - SELECT DISTINCT beer, price
                      FROM sells
 7.00
                      WHERE Proce 715
                db. sells. disfinct (
  Mangops: -
 NOTES
                { price ; { $ 9t : 15} },
                 { beer: | price: | -id: 0}
```

Some Operations of Mango DB:-\$ eq -> Matches values that are equal to a specific value. \$ gt -> matches values that are greater than a Specified value-\$ gte > -11 - that are greater than or equal to a specified value. \$ lt > -11- that are less than a specified value. \$ Ite -> -11- that are less than or equal to a specified value. ¢ ne → _____ not equal to a specified value. \$ in > - Ele Matches any of the values specified in the array. \$ nin -> matches none of the values specified in an array, or - Joins query dause with logical OR. knot - inverts the effect of a query expressing > joins quey clauses with

	Query 5 :-
)	· Count the no. of manufactures whose names have the particul string "am" in it-
1	db. Beers . And (
	name: { \$ regrex/am/i3).count()
	Query 6: - same, but name starts with in!
	· db. Beers - find (name: { \$ regres / 1 Am / 3 . count ()
	Query7: - Starts with "Am" ends with "corp"
	· db · Beers · court (name ; { \$ regrex : / Am . * corps \$
	J
S	

Array Operations:
The market of the second of th
tings: ¿sin: [popular, organic 137
Q. Find items which are not tagged as "popular" nor "organic".
-> db.inventory.find ({ tags: { \$ nin: ["popular", "organic"]]}
Q. Find the 2nd and 3rd elements of tags.
¿ tags: ¿ \$ slice · Li, -133
skip count Return how man
sind 157
tags of since s
Q. Find a document whose 2nd element in tags is
-> db. inventory find (tags. 1: "summer")
-> ab. Triveritory Time (20)

......

1	Aggregation-Function and Querying-Aerospike
3	Retrieving Big Data. On counting and Distinct Count the no- of Drinkers
	• Select count (*) FROM Drinkers
2.00	• db. Drinkers.count()
2.00	 Count the no. of unique add of prinkers. Select count(distint add) From Drinkers.
3.00	· db. Drinkers, count (add: { \$ existrs: true })
4.00	> Get the distint values of array • Data: { _id:1, places: [USA, France, USA, Spain, UK, S
5.00	· ab · country DB · distinct (places)
6.00	· [USA, France, Spain, UK]
7.00	· db.country DB.distinct (places), length
3.00	Aggregation Framework!
otes	-> Role of aggregation framework Grouping, aggregate functions, sorting,

Saturday

```
Multi-attribute Grouping
     db. computers. aggregate (
     £ $ group : {
  9.00
  10.00
 _id = { brand : "$brand",
        title: "$ title"
        category; "$ category !!
        code: " g code "],
  count: { $ sum: 1}
       $ sort : { count : 1, category: -1}
 3.00
    * Text Search with Aggregation! -
         db. articles, aggregate
 4.00
       { $ match ; { $ text : } $ search : "Hillary Democrat" }
 5.00
       { $ sort : { score : { $ meta : " textscore " } };
        Esproject: [title:1, -id:03]
 6.00
7.00
8.00
Notes
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March 2015 SELECT | projection FROM collection Day 081 • 284 Where Date 22 • 03 • 2015 Retrieving Big Data Quiz 1. What does it mean for a query language to be > The language specifies what data to obtain. ce ?. Use the following table named "user bable" to gnswer the next 2 problems. userId username | email admin admin a corporate moe 12 h4xor 1337@ rawrocte Q-How would u go about querying the entire wername column ? >> SELECT username FROM user_table 3 How would a go about querying the entire database table → SELECT * FROM user_table . global indexing table? A index table in order to keep track of a given da upe that might exists within multiple machines. so What are the three computing steps of semijoin? -> project, Ship, Reduce

	CUTSOT MOGIFIERY
1	6. What is purpose of a semijoin?
12	multiple machines.
1.0	
_	7. What is subquery?
2.0	A query statement within another query
3.00	8. What is a correlated subquery?
\longrightarrow	A type of query that contain a subquery that requires information from a query one level up.
5.00	g. purpose of Group by queries > Enables of calculations based on specific columns of the table.
7.00	3. Statement that we would need to grab email
	into for user indexes greater than 24?
8.00	→ db. email·find ({ userIndex: [\$gt:24]}, {email:1,-id:0})
Notes	, , , , , , , , , , , , , , , , , , , ,
	What does it mean to have q -id so within
	Tell MongoDB not to return a document i