4	Theory:		
1	, wenat is Nosal		
	- Nosque database is a non-relational database management		
	system that does not enguine a fixed schema.		
	It avoids joins 4 is easy to scale.		
	- The Major purpose of using a NOSQL is for distributed		
	data stones with homogeneous data storage needs.		
	- Nosquis used for big data & real time web apps		
	for example companies like twitter, failbook & brogle		
	Collect teleabytes of user data every single day.		
	Collect Telephy 1 es of asce con		
	o What is MongoDB.		
* .*	- mongops is downert database with scalability of flexibility		
	that you want with querying & indexing that you		
	need.		
٠			
- :	· Differentiate bet Nosal & RDBMS		
	V101700 V1		
	NACOL	RDBMS	
	NOSQL - M	isers know RDBMS well as	
	- 1M3 13 2014	is old & many organizat"	
	1 4 1 2003	this database far	
		ioper format of data	
	day by day	10/20 Bouring	

- Nosail is hen-relational database madel used to store of retrieve data -RDBMS is subational database model.

- Nosqe database operate without predifined schema & they do not need to define database structure for storing & manging data.
- Relational DB sug. a scheme to enable storing of data 1;1 Should be defined before adding data to database.
- Nosque databases are non-relational database models that have more Complex Stending than tables.
- Relational DB models are table based meaning they stone data in structured found using mows of columns.
- NOSQL databases are able to Scale on diff surers without having to join hows from multiple Survers & Best swited for modern applications that early on more complex data structure more unstancted data.
- Relational models aren't designed to be able to state avois
 multiple machines across multiple data centers.

 Best suited for stowing of
 querying strended

relational data:

- 10 Comeout from euror in mongodo use			
- To stop mongodb survice use.			
Ctaltz			
differentiale bet mysel & mongo DB.			
MySQL	Mongo DB.		
7 %	JODD.		
- MySQI represents data intables	- mongodo supresents data as		
4 nows	TSON documents		
(SChemal			
- Mysai seguises you to define	- In Mongoob you don't need to		
the tables & columns before	define the schema. Instead you		
you to Store & every now in	just drop in documents 4		
table must have same columns.	don't even need to have same fields.		
A. C	Consider the Constant and		
- MySQL use structured query language (SQL)	- MorgoDB uses javascript as genery language		
Language (591)	gary sorgary		
- It is weitten incdctt	- It is weither in C, C++		
	4 Java		
- once the schema is defined	- It's Schema (an change		
it Cannot be changed, +	Which means it supports		
	dynamic Schema.		
or col a say hall as follows	- Mongo DB uses Collection, document,		
- mysal ases table, now, column	field embeded downert, liking.		
4 Jano			

Assignment 10 Puoblem Statement: (RUD operations in MongoDB · What is collection -A collection is a quouping of mongopB downents. Documents with a Collection can have different fields. A collection is the equivalent of a table in a relational database system. · what is downents of fields. In mongaps, the data records are stored as BSON documents. Hue, BSON Stands for Binary representat of ISON documents, although BSON Contains more data types as compared to ISON. The downents is culated using field-value paiks or key value pains of the value of field (an be Of any BSON type. field names are staingr. Downerts have the following restrictions on field name: The field name-id is belsewed for use as a primary key; it's value must be cyrique in the Collection, is immutable & may be any type other than an agray. · Explain dynamic Schema Concept Mongapa supports dynamic Schemas.

In other words, we need not to define the Schema de before the insertion of Clarta. We can Change the schema of the database dynamically - 10 Culate Connection Command is > db. Create Correction ("name of Correction"); - To insert downents in the collection (NP USE >db. name (accrection, insert ({" attribute!": "value!":

" alt sibute": " value", " (lass": " Ty" }); - To display downents praperty in a single line > db. name of (ourection. find(). pretty() - To update downert ->db. name of Coylection update ({"empid": 43-\$ \$ set: { " empid" : 1014) - To esmave the document grow the Collection We use, > db. varne of (ornection, sumore ({ "rollho". 2