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## Assignment - B2

\* Date of Completion: 21/10/2020 \* Date of Submission: 02/11/2020

\* Title: Design and develope Mongods equeties using crub operations.

PROMem statement: Design and develop MongoDB queries using crub Operations ( vie crub operations, sive method logical and companison operators)

Learning Objectives: To understand and implement the CRUD Operations in Mongo DB.

1. Implement the sommands on 2 ties 2. Implement the slatabase in nongoobs

Hardware and Software required:

Mongo DB version 4'4'1, Windows 10 (64 bit), Intell
es processor

Theory:

collection: It is a group of Mongo DB documents. It exists within a single database and doesn't enforce a scheme.

Downert: it is a set of key-value paise. They have dynamic scheme, may not necessarily frame some set of fields or structure.

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Teacher's Sign.: \_\_

	CRUD operations: create, Read, Godate, Delete, documents.
	and a personal state of the sta
	create: create or visert operations add new documents to a
-	accusation. All the collection does not exist, wight
1	operation will create the counction.
-	pero access with the second se
-	db rellection insertanel)
-	
-	do collection insertMany ()
	the manager such according towart a single collection.
-	au vonte operations are basic abonue on the cevel of
-	a suigle document.
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	mat: 21 down nut
	name: "varun", } field: value  age: 21,  username: "varunkanwa"}
	Is a shineman out memberal en 2 tel
	Adoption in sendatala, eye traccontiques e
-	Read: Retriève document from a collection, i.e. query
	a sollection for documents
	ab collection find ()
-	-> db-usel. find (
-	{ age: { \$ 1t: 25} query criteria
-	s name: 1 addrew: 1 ( movertime
-	). Inuit (5) causer modifier.
1	the tours had make the state of midding them
1	db sollection find one () > setures first document
-	1991 27100 2001 VIN 3 17 1 2 15 1 18 1 18 18 18 18 18 18 18 18 18 18 18
-	and made of consission law your parady dumont
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Update operations: modify existing documents in	a con	ucaor
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db collection ipdaterrany ()	7.9	
db collection seplacemel)		
db movill wpdate nany (	11 - 5	A-11 4
Sage: 5 \$14: 25 }}	pdate:	Alver
\$ set: { movie outing: 5.5}}	epclate	action
) ( )	03	
Delete Option!	113	
Emore dominents from a collection		-
db collection, deleternel)		-
db collection deleteMany ()		
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{ montes.id: "connedy"} delete fi	itel.	_
The state of the s	9	
A use alatabase some to escate datas as	1	
=> we database name to create database	21.4.0	-
=> db to check your surrently relected date => show dbs to check database list	usase.	
A ab drop Database 1) will dute selected a	lata base	,
-> do creaticollection / name notions!	mensen	
3 db createcollection (name, options)	+ 4	
[aptims: capped (boot) - fixed three	alletta	_
automatically, averwriter its olde	et onto	201
when it reaches mak size	41 41	114
auto Index Id (boof) , size [ number ]		
max (Number)], size (number)	,	
> db. collection. drop() - drop collection It will true if dropped else false		
It will true if deapped lette false		

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1. upsert - If no document mother with one mentioned of query then new one gets upserted into the collections 3) & upset : true}

2. Multi By default in update, one document is updated. matching the conditions

eg: 3 multi: frue?

Componison Query Operators!

seq: matched values that are equal to a specified value

\$ gt: matches values greater than a value & in: matches any of the values specified in an armay.

\$ it: matches values lessel than a specified value. \$ ne: not equal to

\$ tim: none of these values

Logical operations!

and joins query clauses with worker and returns on downerts matching all of the clauses

s not selecture are selectioners not matching the given conditions.

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Save: It is a combination of virial and opdate

yetan. db. collection saile ({...})

y passed down out does not exist in the collection then

lit is newly added in collection.

If the aboutmentation consists of an id which pre-exists in collection for some other adouncent, then existing about the replaced with new downest.

operations, some method and implement them along with logical as well as comparison operators