Task 10:- CRUD Operations in Dolument Database
14/10/25
Aim: To perform mongoose using NPM design on mongo dis designing document database and performing (RUD operation -tions like creating, inserting, querying, finding and removing oper ations. steps 1-Step 1: Install mongodo using following, link. https://www.mongodb.com/try/dounload/community Step 2: In stall mongoth using the below link. https:// www.mongodb.com/docs/mongodb-shell/-# download step3: 50 add the Mongoos stell winary's location to your PATH environment variables In the system and security category, click system, click Advanced cystem settings. The system properties modal displays. dick environment variables. an the system variables section, select path and dide edit. the Edit Environment variable modal displays. click New and add the filepath to your mongosh binary. click ok to confirm your changes, on each other modal, cliuc ole to confirm your changes. 10 confirm that your part environment variable is convertly configured to find mongash, open a command prompt and enter the mongosh -- help It your path is configured correctly, a list of valid commands. 10ep 4: Open mongo shell 4.0 from (: \ programfiles) mongo DE server bin/mangod. exe. Step 51 - Type the CRUD (CREATE READ WPDATE DELETE) command GIVEN IN TEXT FILE

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CRUD OPERATIONS!
db.create collection ("mylab")
f 11 0k":1}
>db.mylab. insertOne ( item: "Canvai" gty:100, tags:
["Cotton"], size: [h:28, W:35.5, vom: "cm"])
"acknowledged": true,
 "inserted Id"; object Id ("62=0130, cc 7399000 74e6397 c")
 >db.mylab. find (fitem: " canvasu})
 ["Id: objectId (G27d13acc73990co74e6397c9), item": canvas
(qty', 100, "tags': [Gotton"], "size: {"h":28", ω:35.5)
 1140my, , " (m, ) }.
> dm.mylab. insert many [[[item: "journal", qty: 25, tags;
[Blank", "red"], size: {h: (4, N: 21, 40m; "cm"}), {idem: "mour",
 qty: 85, tags: [gray], size: [h: 27.9, W: 85.5, 40cm: cm]
{:tem: "mousepad", qty:25, tags: ["gel", "blue"], size:
{h: 19, W: 22.85, 40cm; (m-33])
~acknowledged": true,
insut Ids: [Object Id(1627 81598C73990107466297d"),
           [ObjectId("627d1598C73990c07466397 er),
            "Object Id ("627 d 1598 C 73990 C074 C 6397 2 M)
  xdbingglabi find ffiten;
 >dbinglab.-find({}, fitem;1, 9tys 1})
 fid: Objected (627 d13acc73990 c074e 63970), "Hen"; can
 [1d: Objected ("62 fd1598c + 3790 C074e6397d"), 11 1-tem: your
 "9+4" $ 25-3
 ["id: Object Id ("627 d1598C73990CD74e6377e"), "item": "journal"
 "9ty": 85}
{"ed: Objected ("62701578C +29900074e68975"), "identy mousep
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>db.mylab.find(1), {item:1}, qty:13), pretty().
["id": Object Id("627 &1390C 73990C 074e6 397C"), uitem";
 u Canuas "1
 "hty": 100
 [ " _ id"; object Id("627d 13acc73990c074e6397d"),.
  · item"; jaurnal",
 [ ~-id": 0bject 8d ("627d1 598 C7 3990 C 07 4 P 6397e"), ita
 ~qty +; 25
 " mat", " ? ty"; 85}
   "-id"; Object Id (" 627 d1598 C799 DC674e639 76"))
  vitem": "moutepad";
  " qtg"; 25
 > db. my lab find (ditem; "canvas"), pretty(). sort/ditem;-
 {
"_id": object Id ("62 tisacc73790c074e6397 (""), item:
 " Canvas", "4ty": 100, "tags": ["Cotton"], "8ize: {"b":28," W:
 35.5, " wom "cm }
 >db.my lab. delete One (fitem: "journal")
 >dbmy lab. find ( & &, fitem: 1, qty: 13). pretty ()
  "Lid": Object 8 d ("627 d 13acc 739900074 e 639 ("), "Item": "Canv
  ugty 1: 100
 "_id": Objects d ("627 d 1598 c 73990 co74 e6399 d"), "Item": jour
 "qty": 25
  ["_id": Object Id["627d1598 (739900074 e6397e")] Iten:
   mat, 9 ty: 85}
  "-id": Object Id("627 d1598(7390 C074e 6397 f")) Iten!
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Result The implementation of CRUD operations like evantions sing inserting, finding and removing operations sing mongo DB is successfully executed.