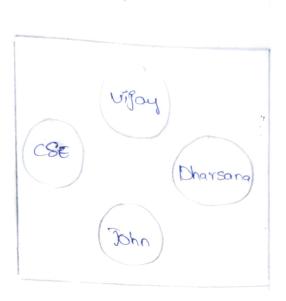
JASK MO: 11 CRUD operations in graph Database. pati: 14/10/25 Aim: To Perform CRUD operations like creating inserting, quering, finding, deletting operations on graph spaces. voreate node with properties. Properties are the key value poors using which a node Stores data. You can create a node with properties using the CREATE caluse. Syntan . following is the Synton to create a node. CREATE (mode:, label & key 1: Value, key 2: Value ... 3) Acreating the created node To verify the erection of node, type and execute the following query on the dollar prome. Match (n) Return n * Creating a Relationskip Between the existing you can also create a relationship between the existing node Using the MATCH calause following 9s the Syrdan to create relationship using the MATCH clayse. MATCH (a: Lake of Moder), (b: babe of Moder) WHERE A. nome = "nome of node!" AND b. name = " name of node 2" (REATER(a) - [: Relation] -> (B) RETURN a,b

Moleting a particular node. To delet a Particular node, you need to specify the delails of the modern place of untin the above query. Syntax Collowing 98 th. Syntax to delete a particular node from Neolij using DELETE door MATCH (node: label & Propertiesily) DETACH DELETE hode. creater a graph database for Student course regristration create student and dept node and insert values for properties CREATE (n: Student [81d; "VTU 14500" Sname: "Joho", deptname: "SE"} output: Added Mode! Created Inode, Set 3properties, completed create co: Student [5818:11 UTU 145011] Sname: "Dharsana" deptname: " Ete" (output added 1 tobel, created Inpode, Set 3 Properties, Completed Creat (w. Student [57]. "TU 14502", Snom: "Vigay" deptrome: "CSE" 3

Added I label , recorded I node, set a properties;

match command smatch in return (n)



Amatch (n: Student) return(n)



a) real relationship between Student and use.

MATCH (S: Student), (d: dept) WHERE S. Sname = Vijay'
AND d. deptname='ese'

CREATE (S) - (St: STUDIED - AT) >(1)

output the Hill & Hildert) (1: Hept) while s. Some = " Why! IN p. d. deptrome = 108e1 (SE: STUDIED AT) - (d) (CSE)
Sicological
Villay MATCH (S: Studen), (d:dept) WHERES. Sname= John AND d. deptnam = 'cse! (REATE (S)-(St: STUDIED_AT)-)(d) output. match(n) return() neou; & match(n) retyrn(n)

piletralnode, completed after 10834ms neou; \$ match (m) meturnon)

match (n: Student (Snam: 1 Dharsona) }) Delete (n)

polite a node from Studen

cotput:

VEL TECH-C	VEL TECH-CSE	
EX NO.	in	
PERFORMANCE (5)		
RESULT AND ANALYSIS (5)	5	
VIVA VOCE (5)	7	
RECORD (5)	>	
TOTAL (20)	14	
SIGN WITH DATE	V	

Result: The Amplementation of CRUB operations three Creating Ensenting Ainding and removing operation Using graph DB is Successfully executed.