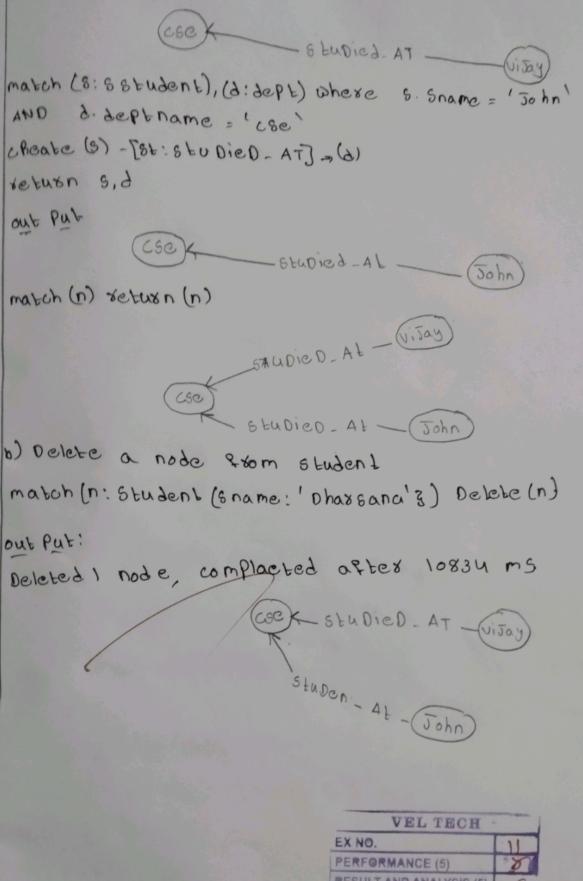
Task 11 - CRUD operations in graph. Data Bases Aim: To Pexform CRUD operations like executing insesting, quesying, finding, deleting operations on graph spaces create Node with Properties: Properties are the weg-value pairs using which a node stokes Data. you can exeate a node with properties using the cheate clause. following is the syntox to exeate a node with Properties CREATE * Returning the coated wode To verify the creation of the node, type and execute the following query in the Dollar Prompt *coeating a Relationship Batween existing nodes you can also exeate a relationship between the existing nodes using match clause Syntax match (a: Labe of Noder) (b: Labert Noder) where a name = "name of node;" AND b name cheate (a) f: Relation) - 7(b)

Return a.b.

```
* Deleting a Pasticulas Node
to Delete a particular Node, you need to
specify the Details of the node in the
Place of " " in
syntax.
Following is the Syntox to delete a particular
node from Neo4
    Natch (node: label (Properties - - ])
    Detach Delete node
create a graph Database for student course
registration.
create (n: student [sid: "VTUIU800",
Sname: "John",
Dept name: "CSE" 3
addel 1 label, executed 1 node, set 3 proporties,
completed after 232 ms.
create (n: student (sid: "utuluso1",
 sname: "Dhassana".
dept name. "EEE" 3)
added 1 label, exected / node, set 3 properties
out Pub
completed after 232/ms.
coeate [w: student (sid: "UTU14502",
  Brame: "visay",
     deptname: "CSE"
```

out Put: added 1 label, executed 1 node, set 2 proporties completed after 72 ms select all the nodes in your Database + match (n) return(n out put. Viva (Dhaxani John. match (n: student) xetuxn(n)out Pub: viJay (ohaxsana (John a) coeate relationship between student and cs match (8: Student), (d:dept) where 6. Sname = vivay AND d. dept name = 'cse' create (s) - [st: studied - AT] -(d) return s.d out put: 1. match (o: student), (d: dept) where s. sname = viday! AND d. dept name = 'cse' 2. cheate (s) - [st: stu DieD - AT] -> (d) tetusn: 8, d.



| VEL TECH | |
|-------------------------|----|
| EX NO. | 11 |
| PERFORMANCE (5) | 8 |
| RESULT AND ANALYSIS (5) | 5 |
| VIVA VOCE (5) | 8 |
| RECORD (5) | - |
| TOTAL (20) | 14 |
| GN WITH DATE | 10 |

Result: The implementation of CRUD of thations like executing, inserting, finding and repoling operation using brough DB is successfully executed