Aim: To Porter CRUD organisms like creating, inscriting querying finding deleting organisms on graph space

## Casale Mode with PoroPeroties

Broperties are the key-value Pairs using which a node stores data you can create a node with ParoParties using the CREATE class you need to specify these ProParties sheraled by commas within the flower braces "{} }

following is the syntax to create an node with PosoPertry

BoocREATE (node. Label { key ': value, key ; value, ....})
capating Relationships:-

we can create a relationship using CREATE clause we will specify Relationship with in the squere braces "()" defending on the directions of the velotionship.

Shutax:

following is the syntax to create a relationship wing create clause.

creating Reationship Between the Existing Mode
you can also create a relationship between the
existing node using the marich clause

symbox

following is the syntox to create a relationship causing the matter clause

Marich (o: laber 2 Node 1) (b: lab of Node 2)

WHERE a nome: "nome of node i AND prome =

"name of node 2"

RETORN a,b

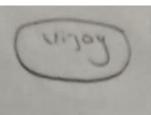
Deleting a jointicular Mode
To delete Particular node you need to specify
the delails of rode in the Place of in the
above approx

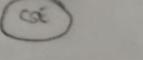
syndax.

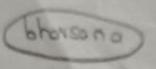
following is the syntox to detate a Ponticular node-from Neour using DELETE chause MATICH (node: lobel[PonoPentiel -- })

create a graph database for student Gurse student ond delt node and most udues of ParoPorties.

```
create (n: student (s:d:" unu 14500",
  Snome "John"
 deploon: "cse"}
  aufful
  added , label created , node , set 3 ParoPenties
  completed after 232 ms
   create (n: student { sid: " viv 14501".
     sname: " Dhorshora
     destrome: " EEE "})
     Jultus
   Added , Jobel created I node, set 3 Paraporties
    confleted after 16ms
   create (n: dept (deptrome: " coe : deptid : doo! ")
    Lufter
    Added 1 label, created I noder set 2
    Paolorties, completed after 72 mg
   select all nodes in your dotabase using match
      commond.
   * match (n) redorn (n)
    outful
```

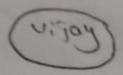


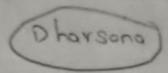






Amoteh (n: students) retorn(n)
author







march (s. studen 1) (LTEPT) WHERE s. nome =
"Vijoy" AND d. dePtnome = "Cse"

stetum s.d

output

C.SF) = student - vijoy

MATICH (S. Student): (d!dept) wHERE S. Sname: Thon:

AND d. deptnome "CSE"

CREATE (S). (St. STUDIE D. AT) -> (d)

Stetum S.d

