Task 11 : CRUD operations in graph Databases

Aim : To perform CRUD operations like creating, inserting, querying, and deleting operations on graph spaces.

Create Node with properties.

Syntax :

```
CRETE ( e: Employee { EPd:'EMPIQS0',
Ename : 'John', dept : 'CSE' 3 ) ;
CREATE [e: Employee {EPd:' EMP L02',
Ename : 'Aneta', dept :'HR' 3 );
```

Read node.

```
Match (n)
n;
```

```
Match
n;
```

Create Relationships.

```
MATCH ( e: Employee { Ename : 'John' 3),
(d: Dept {deptname : 'CSE'3 )
CREATE e ) - [: works _ INJ ⇒ (d)
RETURN e, d;
```

Delete a node

Match [e: Employee { Ename : 'Anita' }]
Detach Delete e]

These commands demonstrate
the full CRUD cycle - Creating,
reading, updating an employee

Create a graph for employee
database -

output 1 : Dept → employees
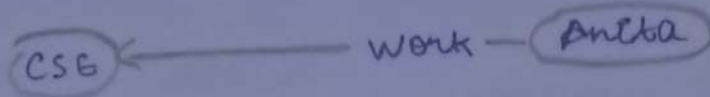
(CSE)

Anita

Valan

output : Employee

(John)

Anita

Valan

a) relationship

(CSE) ← — Work — — (Anita)

b) Delete a node : Delete 104

CSG ⟵———— Work —— Anita

Result:

Thus the implementation of CRUD operations like creating inserting is successfully completed