gate: 141015 TASK - 4 CRUB operations in Graph costa bases Am: To perform (RUD Operations like creating, insenting, queusing finding, deleting operations on groups spaces. O create node with properties propertiesce the ter-value pairsusing which a rocks stoves dota. you concreate arock with properties viins the create clause Syntax: following to the syntax to weate anoth with, proparties (REATE (node: label [kes : value, kes 2: value, + -3) Oretwining he overted node To vanify the creation of the node, type and execute the following query indle dollor, prompt. MATCH (n) RETURN. n. Ocreating relationships we can create a relation using the CREATE clouse. we will specify velationship within the square []' depending on the direction Of relationship is placed between hypen "-" and amow" -" Syntax following is the syntax to create avelopionship vins the CRETE clour. (REATIE (node) -: [: relationship Type] - Thade) Or creating a relationship between the Existing modes you can abe create anelotion between the existing nodes viing MATCH clause. syntax: Following is the syntax to create velationship wineste match dauk MATCH (a: labe of wodi), (b: labe of woder) WHER a name: "name affinade 1" AND b name =" name ofnode 2" CREATE (a) - 1: relation) - 16) RETURN arb Oscileton, aparticular mode, To delete a particular mode i you need to specify the details of the node indhe place of in indhe above quars.

to delete a particular. following is the syntax to delete aparticular node from meous Using the DELETE clawe. MATCH (node: label Eproprinties ...) DETACH DELETE node create a suaph database for student course uescituation, create student and dept node and invent values of proporties evente (n: student (sid: "VTUI4500;" sname: "JoHN; depteraise) Added label, create Inode, set I properties, completed after 272 ms (veate (n: student (sid: "VTO 15050) 's snome: "oboscana" depthame: "EE'3) outat: Add I label, create Inode, set sproporties, completed offer 12mm, create (n: dept Edept name: "cse "depid: "door" 3) Ad I label reveated inade set apagenties, completed after 72 ms. sclect all the nodes in your database using match command on match(n) neturn) atat= Changana @ match, (n:student) veturn (2) output: @ create anelations of Between student and cse. match (s: student), (d:dept) wHERE 5. sname: Visiay AND d. depthome = 1 cs. CREATECO) - (st. STUDIE D -ATJ 7(d) returs,d.

