

## CS315 Quiz 3

Marks = 20

12th February, 2019

There are 4 questions in 1 page. Answer in the question paper itself and return. Considering the following schema for a banking system, write SQL queries: branch(bcode, bname, city, assets) customer(cid, cname, city) account(ano. bcode, balance) depositor(cid, ano)

loan(lno, bcode, amount) borrower(cid, lno)

Help Elekoner total anount & select cid, sum (balance) as balance from (depositor inner roin account) Q1: [5 marks] Find ids of customers whose total loan amount is more than their total account balance. solect aid sound jour soin total loan & select aid, som (amount) a another from (total loan) total loan bean) bean (boarower inner join loan) growp by cid.; whereamounts bulance.

Q2: [5 marks] For each branch, find the customer id having the largest account balance. (For only this query, you may assume a customer having at most one account in a branch.)

Joined toble (branch inner join account) inner 50in depositor

inner John customer). select scode, max (balance), cid grown by b code

Q3: [5 marks] Find ids of all customers having an account and loan with the same number.

Aron customer C, depositor D, sorrower B. where c.cid == D. cid and c.cid == B.cid and D. ano == B. Ano;

Q4: [5 marks] Find ids of all customers who have exactly one account and exactly one loan at "IIT" branch. n-d-c @ (account inner join deposits) inner join custom 1-7-c (foor inner soir sorrer) inner Join crap. select cid, count (ano) From a-d-c ace were brode = IIT sulect cid, count ( loo) where scode = 727 Schett cit board one amount cid and cont (ano) == 1