CS 207 Assignment 5

Group - 4

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1.

create table customer\_quantity\_copy( customerName varchar(255), QUANTITY int(11) );

delimiter $$

create procedure copyCustomerQuantity ()

BEGIN

declare v\_finished integer Default 0;

declare cName varchar(255) Default " ";

declare q integer Default 0;

declare quantityCursor cursor for

select customers.customerName, sum(orderdetails.quantityOrdered) from orders inner join orderdetails on orders.orderNumber = orderdetails.orderNumber inner join customers on customers.customerNumber = orders.customerNumber group by orders.customerNumber ;

declare continue handler for not found set v\_finished = 1;

open quantityCursor;

getQuantity: loop

fetch quantityCursor into cName, q;

if v\_finished = 1 then

leave getQuantity;

end if;

insert into customer\_quantity\_copy values(cName, q);

end loop getQuantity;

close quantityCursor;

END $

delimiter ;

call copyCustomerQuantity;

select \* from customer\_quantity\_copy limit 10;

2.

create table employee\_audit ( id int(11) primary key auto\_increment, employeeNumber int(11) not null, lastname varchar(50) not null, changedat datetime, action varchar(50))$$

create trigger audit\_before\_update before update on employees for each row begin insert into employee\_audit (employeeNumber, lastname, changedat, action) values (OLD.employeeNumber, OLD.lastname, CURRENT\_TIMESTAMP, “update”); end$$

3.

create table customer\_audit ( id int(11) primary key auto\_increment, customerID int(11) not null, user\_name varchar(50) not null, ContactName varchar(100) not null, changedat datetime, action varchar(50));

create trigger audit\_after\_delete after delete on Customers for each row begin insert into customer\_audit (customerid, user\_name, contactname, changedat, action) values (OLD.customerID, CURRENT\_USER(), OLD.contactname, CURRENT\_TIMESTAMP, "DELETE"); end$$