SUNWAY
INT'L BUSINESS SCHOOL

Programme Name: _____**BCS HONS**_____

Course Code: __**CSC 1403**_____

Course Name: _____**Database concept**_____

Internal Examination

Date of Submission: _____**9/21/2020**_____

Submitted By: **Submitted To:**

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Semester**: Second Semester**

Intake**: September 2019**

1. Give below are relations of CUSTOMER, ORDER and CAKE in a relational database.

CUSTOMER

custID	custName	custAddress	phoneNo
1234	Prakash Gupta	Lot 31, Naxal right side Baluwatar Kathmandu, Nepal	01-4211333
2345	Ramesh Siwakoti	No.18, Rammandir park, Sahidchock, Butwal	71-4211333
4567	Hari Shrestha	21 Ming Court, Fewa Lake, Pokhara	61-4211333

ORDER

custID	cakeID	quantity	orderDate	staffNo
1234	BF222	1	11/01/19	S11
2345	RC444	2	11/01/19	S11
4567	CC111	1	24/01/19	S12

CAKE

cakeID	description	Type	Price	Quantity	Weight
BF222	Balck Forest	Sponge	NRs.1600	5	2 kg
RC444	Rainbow Cake	Sponge	Nrs.1000	4	1 kg
CC111	Chocolate Cheesecake	Cheesecake	NRs.1300	5	1kg
DD333	Yellow Butter Cake	Butter Cake	NRs. 1400	2	1 kg

a. Change the cake type Cheesecake to Genoise Cake.

UPDATE CAKE

SET TYPE= 'Genoise Cake',

WHERE Type = 'Cheesecake';

b. Retrieve the total number of cake that weight is less than 2 kg.

MySQL Queries
  ➢ SELECT count (cakeID) from CAKE wher weight>2kg;

c. Add a new column quality in cake table that hold character data.

ALTER TABLE CAKE

ADD COLUMN quality char

[FIRST | AFTER quality];

d. Drop new column quality in cake table.

ALTER TABLE CAKE

DROP COLUMN quality:

e. Retrieve the cake description, type and price whose quantity is greater than 4.

SELECT DESCRIPTION, TYPE, PRICE

FROM CAKE

WHERE QUANTITY>4;

f. List Customer's name and type of cake ordered on 24th January 2019.

MySQL Queries

> SELECT C.custName, ca, type
>   from CUSTOMER as C
>   Inner join ORDER as o on C.custID==o.cuatID
>   Inner join CAKE as o on o.cakeID==ca.cakeID
>   Where o.orderDate="24/01/2019";

g. Change the quantity of the cake to 6   that order by Hari Shrestha.

UPDATE ORDER

SET quantity= '6',

WHERE custID = '4567';

h. Retrieve the details of the customer name, address, phone number that order cake price more than thousand and cake weight is more than 1 kg.

MySQL Queries

- ➢ SELECT customer.custName, customer.custAdress, CUSTOMER.phoneNO.
  Cake.price.cake.weight
  From ORDER((
  Inner join CUSTOMER on ORDER.custID=CUSTOMER.custId)
  Inner join CAKE on ORDER.caked=CAKED.cakeId)
  Where CAKE.price>1000 and CAKE.weight>"1kg";