

Programme Name: \_\_\_\_\_\_\_\_**BCS HONS**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Course Code: \_\_**CSC 1403**\_\_\_\_\_\_\_\_

Course Name: \_\_\_\_\_\_\_\_**Database concept**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Internal Examination**

Date of Submission: \_\_\_\_\_\_**9/21/2020**\_\_\_\_\_\_\_\_\_\_\_\_\_

**Submitted By: Submitted To:**

Student Name**: Dipesh Tha Shrestha** Faculty Name**: Amar Subedi**

IUKL ID: **041902900028** Department**: LMS**

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 |

1. Change the cake type Cheesecake to Genoise Cake.

UPDATE CAKE

SET TYPE= ’Genoise Cake’,

WHERE Type = ‘Cheesecake’;

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

MySQL Queries

* SELECT count (cakeID) from CAKE wher weight>2kg;

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

ALTER TABLE CAKE

ADD COLUMN quality char

[FIRST | AFTER quality];

1. Drop new column quality in cake table.

ALTER TABLE CAKE

DROP COLUMN quality:

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

SELECT DESCRIPTION, TYPE, PRICE

FROM CAKE

WHERE QUANTITY>4;

1. 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”;

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

UPDATE ORDER

SET quantity= ‘6',

WHERE custID = ‘4567’;

1. 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”;