Assignment Number- 4

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**Database:**

Online Food Delivery System

**AIM:**

1. Add appropriate constraints using the ALTER command to the tables created in assignment 2. There should be at least 5 new constraints.
2. Showcase the use of conjunctive operators on your tables. To do this, design 5 tasks that need the conjunctive operators to be used in SQL queries. Then write SQL queries to achieve these tasks. Use different combinations of these operators AND, OR, NOT.

**Q1.**

Add appropriate constraints using the ALTER command to the tables created in assignment 2. There should be at least 5 new constraints.

**Answer:**

USE FOODDELIVERY;

ALTER TABLE CUSTOMER

MODIFY COLUMN USERNAME VARCHAR(100) CHECK (LENGTH(USERNAME)>=5),

MODIFY COLUMN ORDERS\_PLACED INT DEFAULT 0;

ALTER TABLE DELIVERY\_PARTNER

MODIFY COLUMN PHONE\_NUMBER VARCHAR(10) UNIQUE,

MODIFY COLUMN DPNAME VARCHAR(100) CHECK (LENGTH(DPNAME)>=5),

MODIFY COLUMN ORDERS\_DELIVERED INT DEFAULT 0;

ALTER TABLE PAYMENT

MODIFY COLUMN PAYMENT\_TIME DATETIME NOT NULL,

MODIFY COLUMN AMT DOUBLE NOT NULL;

ALTER TABLE RESTAURANT

MODIFY COLUMN RNAME VARCHAR(100) CHECK (LENGTH(RNAME)>=5),

MODIFY OREDERS\_SERVED INT DEFAULT 0;

**Q2.**

Showcase the use of conjunctive operators on your tables. To do this, design 5 tasks that need the conjunctive operators to be used in SQL queries. Then write SQL queries to achieve these tasks. Use different combinations of these operators AND, OR, NOT.

**Answer:**

SELECT USERNAME FROM CUSTOMER WHERE ADDRESS='DEHRADUN' AND ORDERS\_PLACED=(SELECT MAX(ORDERS\_PLACED)) LIMIT 1;

SELECT DPNAME FROM DELIVERY\_PARTNER WHERE ORDERS\_DELIVERED=(SELECT MAX(ORDERS\_DELIVERED)) LIMIT 1;

SELECT RNAME FROM RESTAURANT WHERE LOCATION='DEHRADUN' AND OREDERS\_SERVED>=20;

SELECT \* FROM MENU WHERE MSTATUS='A' AND INGRIDIENTS='EGG' OR INGRIDIENTS='CHICKEN';

SELECT RNAME FROM RESTAURANT WHERE RESTAURANT\_ID IN (SELECT RESTAURANT\_ID FROM RATING WHERE SCORE='GOOD');