SQL Concepts | Date – 11/02/2021

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CREATION OF TABLES AND INSERTION OF DATA

```
-- Creating Product table

CREATE table IF NOT EXISTS Product(
    p_code INT NOT NULL AUTO_INCREMENT,
    p_name VARCHAR(100) default NULL,
    unit_price DOUBLE(12,2) default 0.0,
    category_assigned INT Not Null,
    PRIMARY KEY (p_code),
    FOREIGN KEY (category_assigned) REFERENCES Category(c_code)
);

-- Insert

INSERT
    INTO
    Product (p_name, unit_price, category_assigned)

VALUES
    ("Heater", 900.00, 1),
    ("Table", 20900.45, 1),
    ("Laptop", 300.56, 2),
    ("Mouse", 890, 2),
    ("Utencils", 1200.00, 3),
    ("Gas Stove", 2200.45, 3),
    ("Bat", 3300.56, 4),
    ("Football", 8490, 4);
```

```
-- Creating Location

CREATE table IF NOT EXISTS Location(
    loc_code INT NOT NULL AUTO_INCREMENT,
    loc_name VARCHAR(100) default NULL,
    PRIMARY KEY (loc_code)
);

-- Insert

INTO
    Location (loc_name)

VALUES
    ("India"),
    ("USA"),
    ("Canada"),
    ("Ontario"),
    ("Indiana"),
    ("America"),
    ("Netherland"),
    ("Morocco");
```

```
-- Creating SalesExecutive

CREATE table IF NOT EXISTS SalesExecutive(
    employee_id INT NOT NULL AUTO_INCREMENT,
    name VARCHAR(100) default NULL,
    dob DATE NOT NULL,
    gender VARCHAR(20) NOT NULL,
    CHECK (gender IN('M', 'F', 'OTHERS')),
    mob_no BIGINT(10) NOT NULL,
    location INT NOT NULL,
    PRIMARY KEY (employee_id),
    FOREIGN KEY (location) REFERENCES Location(loc_code)
);

-- Insert

INSERT
    INTO
    SalesExecutive (name, dob, gender, mob_no, location)
VALUES
    ("Abhik", "1998-07-07", "M", 7909948987, 1),
    ("Ana", "1998-07-07", "F", 7909949834, 2),
    ("Ishaan", "1998-07-07", "F", 7909944887, 3),
    ("Lee", "1998-07-07", "F", 7909944887, 8),
    ("Muskan", "1998-07-07", "F", 7909933987, 5),
    ("Kiran", "1998-07-07", "M", 7909945687, 7),
    ("Kishan", "1998-07-07", "M", 7909942487, 2);
```

```
CREATE table IF NOT EXISTS PurchaseSummary(
purchase_id INT NOT NULL AUTO_INCREMENT,
sales_exec INT NOT NULL,
product INT NOT NULL,
date_of_purchase DATE NOT NULL,
no of_units BIGINT NOT NULL,
PRIMARY KEY (purchase .id),
FOREIGN KEY (product) REFERENCES SalesExecutive(employee_id),
FOREIGN KEY (sales_exec) REFERENCES SulesExecutive(employee_id),
FOREIGN KEY (customer) REFERENCES Customer(c_td)

;

-- Insert
INSERT
INTO
PurchaseSummary (sales_exec, product, customer, date_of_purchase, no_of_units)

VALUES

(3, 2, 2, "2021-02-06", 990329),
(3, 2, 1, "2021-02-06", 992309),
(3, 1, 1, "2021-02-06", 992309),
(3, 1, 1, "2021-02-07", 9909),
(3, 2, 2, "2021-02-07", 9909),
(3, 2, 2, "2021-02-07", 9909),
(3, 2, 2, "2021-02-07", 9908),
(3, 2, 2, "2021-02-07", 992309),
(3, 2, 2, "2021-02-07", 992309),
(2, 2, 1, "2021-01", 4387),
(4, 4, 3, "2021-02-1", 4387),
(4, 4, 3, "2021-02-1", 4787),
(5, 5, 4, "2021-02-02", 7),
(5, 6, 5, "2021-02-02", 7),
(5, 6, 5, "2021-02-02", 7),
(5, 6, 5, "2021-02-02", 7),
(5, 6, 5, "2021-02-02", 7),
(6, 4, 6, "2021-02-02", 7),
(7, 5, 1, "2021-01-01", 487),
(7, 7, 8, "2021-01-01", 487),
(7, 7, 8, "2021-01-01", 487),
(7, 7, 8, "2021-01-01", 487),
(7, 7, 8, "2021-01-01", 487),
(7, 7, 8, "2021-01-01", 487),
(7, 7, 8, "2021-01-01", 487),
(7, 7, 8, "2021-01-01", 990);
```

QUERY AND OUTPUT

1.

SCREENSHOT

SCREENSHOT OF OUTPUT

