SCHOOL OF COMPUTING
Faculty of Engineering

SECD 2523 – DATABASE
SEMESTER I 2021/2022
SECTION: 05

DML1 PART 1
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Team Members:

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SQL CODE SCRIPT:

part1 populate the tables:

```sql
CREATE TABLE inventory_list (
    id VARCHAR(20) PRIMARY KEY,
    cost DECIMAL(10, 2),
    units INT
);

CREATE TABLE items (
    itm_number VARCHAR(20) PRIMARY KEY,
    name VARCHAR(20),
    description VARCHAR(50),
    category VARCHAR(20),
    color VARCHAR(20),
    "Size" VARCHAR(1),
    ilt_id VARCHAR(20) REFERENCES inventory_list(id)
);

CREATE TABLE price_history (
    start_date DATE,
    start_time TIMESTAMP,
    end_date DATE,
    end_time TIMESTAMP,
    price DECIMAL(10, 2),
    itm_number VARCHAR(20) REFERENCES items(itm_number)
);

CREATE TABLE sales_representatives (
    id VARCHAR(20) PRIMARY KEY,
    email VARCHAR(50),
```

```sql
    first_name VARCHAR(20),
    last_name VARCHAR(20),
    phone_number VARCHAR(15),
    commission_rate INT,
    supervisor_id VARCHAR(20) REFERENCES sales_representatives(id)
);

CREATE TABLE sales_rep_addresses (
    id VARCHAR(20) PRIMARY KEY REFERENCES
sales_representatives(id),
    address_line_1 VARCHAR(50),
    address_line_2 VARCHAR(50),
    city VARCHAR(20),
    zip_code VARCHAR(10)
);

CREATE TABLE teams (
    id VARCHAR(20) PRIMARY KEY,
    name VARCHAR(50),
    number_of_players INT,
    discount INT
);

CREATE TABLE customers (
    ctr_number VARCHAR(20) PRIMARY KEY,
    email VARCHAR(50),
    first_name VARCHAR(20),
    last_name VARCHAR(20),
    phone_number VARCHAR(15),
    current_balance DECIMAL(10, 2),
    sre_id VARCHAR(20) REFERENCES sales_representatives(id),
    tem_id VARCHAR(20) REFERENCES teams(id),
    loyalty_card_number VARCHAR(20)
);

CREATE TABLE customers_addresses (
    id VARCHAR(20) PRIMARY KEY,
```

```sql
    address_line_1 VARCHAR(50),
    address_line_2 VARCHAR(50),
    city VARCHAR(20),
    zip_code VARCHAR(10),
    ctr_number VARCHAR(20) REFERENCES customers(ctr_number)
);

CREATE TABLE orders (
    id VARCHAR(20) PRIMARY KEY,
    odr_date DATE,
    odr_time TIMESTAMP,
    number_of_units INT,
    ctr_number VARCHAR(20) REFERENCES customers(ctr_number)
);

CREATE TABLE ordered_items (
    quantity_ordered INT,
    quantity_shipped INT,
    odr_id VARCHAR(20) REFERENCES orders(id),
    itm_number VARCHAR(20) REFERENCES items(itm_number)
);
```

Part 2- Inserting rows to the system:

```sql
INSERT INTO teams (id, name, number_of_players, discount)
    values('t004','Jets',10,5);

INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number,
current_balance, loyalty_card_number)

VALUES('c02001','brianrog@hootech.com','Brian','Rogers','01654564898',50.00,'lc4587');
```