Database Management Systems – Assignment 01

1.
CREATE DATABASE thogakade;

USE thogakade;

CREATE TABLE customer(

    customerId VARCHAR(20) PRIMARY KEY,

    name VARCHAR(50) NOT NULL,

    address VARCHAR(100) NOT NULL,

    salary DECIMAL(10,2) NOT NULL

);

CREATE TABLE orderTable(

    orderId VARCHAR(20) PRIMARY KEY,

    orderDate DATE,

    customerId VARCHAR(20),

    FOREIGN KEY(customerId) REFERENCES customer(customerId)

);

CREATE TABLE item(

    itemId VARCHAR(20) PRIMARY KEY,

    qtyOnHand INT NOT NULL,

    unitPrice DECIMAL(10,2) NOT NULL,

    description TEXT

);

CREATE TABLE orderDetail(

    orderId VARCHAR(20),

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        itemId VARCHAR(20),

        qty INT,

        PRIMARY KEY(orderId,itemId),

        FOREIGN KEY(orderId) REFERENCES orderTable(orderID),

        FOREIGN KEY(itemId) REFERENCES item(itemID)
);
```

2.
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INSERT INTO customer VALUES('c001','Amal','Panadura',80000.00),

('c002','Kamal','Kaluthara',70000.00),

('c003','Nimal','Gampaha',60000.00);


INSERT INTO orderTable VALUES('o001',20201028,c002),

('o002',20211028,c003),

('o003',20221028,c001);


INSERT INTO item VALUES('i001',10,800.00,NULL),

('i002',17,900.00,NULL),

('i003',5,600.00,NULL);


INSERT INTO orderDetail VALUES('o002','i001',10),

('o001','i003',5),

('o003','i002',17);
```

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