Sri Lanka Institute of Information Technology

IE2042 – Database Management Systems for Security

Lab Submission 03

IT22151056

De Silva K.R.K.D

Group – WD.CS 01.02

Create Tables

Edit   View   Query   Project   Tools   Window   Help

New Query

master   ▶ Execute

SQLQuery1.sql - DES...indya Desilva (56))*

```sql
        --Suppliers--
CREATE TABLE Supplier(
    supId int,
    contactName varchar(150),
    s_address varchar(150),
    s_phone int,
    CONSTRAINT Supplier_PK PRIMARY KEY(supId));

    --Product--
CREATE TABLE Product(
    ProdId varchar(20),
    prodName varchar(150),
    qty int,
    unitPrice int,
    ROL int,
    supplier int,
    CONSTRAINT Product_PK PRIMARY KEY(ProdId),
    CONSTRAINT Product_FK FOREIGN KEY(supplier) REFERENCES Supplier(supId),
    CONSTRAINT checking_ProdId CHECK(ProdId LIKE 'P%'));

    --Customer--
CREATE TABLE Customer_1 (
    cusId varchar(20),
    cusName varchar(150),
    c_address varchar (150),
    c_phone int,
    points int,
    CONSTRAINT Customer_PK PRIMARY KEY(cusId),
    CONSTRAINT checking_cusId CHECK(cusId LIKE 'C%'));

    --Staff--
```

121 %

Messages

(1 row affected)

Completion time: 2023-08-17T22:19:14.6446913+05:30

```sql
                   CONSTRAINT checking_ProdId CHECK(ProdId LIKE 'P%'));

        --Customer--
CREATE TABLE Customer_1 (
    cusId varchar(20),
    cusName varchar(150),
    c_address varchar (150),
    c_phone int,
    points int,
    CONSTRAINT Customer_PK PRIMARY KEY(cusId),
    CONSTRAINT checking_cusId CHECK(cusId LIKE 'C%'));

        --Staff--
CREATE TABLE Staff (
    staffId varchar(20),
    st_Name varchar(150),
    st_phone int,
    CONSTRAINT Staff_PK PRIMARY KEY(staffId),
    CONSTRAINT checking_staffId CHECK(staffId LIKE 'S%'));

        --Sales--
CREATE TABLE Sales (
    pid varchar(20),
    cid varchar(20),
    ssid varchar (20),
    salesDate DATE,
    CONSTRAINT Sales_PK PRIMARY KEY(pid,cid,ssid,salesDate),
    CONSTRAINT Sales_FK FOREIGN KEY(pid) REFERENCES Product(prodId),
    CONSTRAINT Sales_FK1 FOREIGN KEY(cid) REFERENCES Customer_1(cusId),
    CONSTRAINT Sales_FK2 FOREIGN KEY(ssid) REFERENCES Staff(staffId));
```

121 %

Messages

(1 row affected)

Completion time: 2023-08-17T22:19:14.6446913+05:30

Insert data

```sql
--customer--
INSERT INTO Customer_1 values ('C100','Ravi Perera', 'Colombo', '0112123456', '1200');
INSERT INTO Customer_1 values ('C101','Nimali Alwis', 'Gampaha', '0332212345', '275');


--Supplier--
INSERT INTO Supplier values ('1', 'Amal Ranjith', 'Ratmalana', '0112111111');
INSERT INTO Supplier values ('2', 'Nadeeka Perera', 'Borella', '0114555666');


--Product--
INSERT INTO Product values ('P0001', 'Lemon Puff', '22', '85', '20', '1');
INSERT INTO Product values ('P0201', 'Knor Soup', '8', '100', '10', '2');
INSERT INTO Product values ('P0084', 'Lipton Ceylonta', '12', '125', '15', '2');
INSERT INTO Product values ('P0222', 'chocolate fingers', '14', '50', '8', '1');

--Staff--
INSERT INTO Staff values ('S001','Kamal Silva','0718123456');
INSERT INTO Staff values ('S002','Amila Namal','0714222222');

--Sales--
INSERT INTO Sales (pid, cid, ssid, salesDate)
VALUES ('P0201', 'C100', 'S001', '2015-11-13');
INSERT INTO Sales (pid, cid, ssid, salesDate)
VALUES ('P0222', 'C101','S002','2015-11-22');
INSERT INTO Sales (pid, cid, ssid, salesDate)
VALUES ('P0084', 'C100','S001','2015-12-01');
INSERT INTO Sales (pid, cid, ssid, salesDate)
VALUES ('P0201', 'C100','S002','2015-12-08');
```

```
(1 row affected)

Completion time: 2023-08-17T22:19:14.6446913+05:30
```

Select data

SQLQuery1.sql - DESKTOP-OASRVSC\SQLEXPRESS.master (DESKTOP-OASRVSC\Kavindya Desilva (56))* - Microsoft SQL Server Management Studio

```sql
INSERT INTO Sales (pid, cid, ssid, salesDate)
VALUES ('P0084', 'C100','S001','2015-12-01');
INSERT INTO Sales (pid, cid, ssid, salesDate)
VALUES ('P0201', 'C100','S002','2015-12-08');


select * from Supplier

select * from Customer_1

select * from Product

select * from Sales

select * from Staff
```

	ProdId	prodName	qty	unitPrice	ROL	supplier
1	P0001	Lemon Puff	22	85	20	1
2	P0084	Lipton Ceylonta	12	125	15	2
3	P0201	Knor Soup	8	100	10	2
4	P0222	chocolate fingers	14	50	8	1

SQLQuery1.sql - DESKTOP-OASRVSC\SQLEXPRESS.master (DESKTOP-OASRVSC\Kavindya Desilva (56))* - Microsoft SQL Server Management Studio

```sql
INSERT INTO Sales (pid, cid, ssid, salesDate)
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select * from Supplier

select * from Customer_1

select * from Product

select * from Sales

select * from Staff
```

	pid	cid	ssid	salesDate
1	P0084	C100	S001	2015-12-01
2	P0201	C100	S001	2015-11-13
3	P0201	C100	S002	2015-12-08
4	P0222	C101	S002	2015-11-22

File   Edit   View   Query   Project   Tools   Window   Help

master

▶ Execute

Object Explorer

Connect

- DESKTOP-OASRVSC\SQLEXP
  - Databases
    - System Databases
    - Database Snapshots
    - Movie Booking
  - Security
  - Server Objects
  - Replication
  - PolyBase
  - Management
  - XEvent Profiler

SQLQuery1.sql - DES...indya Desilva (56))*

```sql
INSERT INTO Sales (pid, cid, ssid, salesDate)
VALUES ('P0084', 'C100','S001','2015-12-01');
INSERT INTO Sales (pid, cid, ssid, salesDate)
VALUES ('P0201', 'C100','S002','2015-12-08');




select * from Supplier

select * from Customer_1

select * from Product

select * from Sales

select * from Staff
```

121 %

Results   Messages

	staffId	st_Name	st_phone
1	S001	Kamal Silva	718123456
2	S002	Amila Namal	714222222