

Lab Exercise 2 - Database

Name: Danesh Muthu Krisnan

Matric Number: B23CS0034

Code Subject: ~~20-2523~~ SECD 2523 - Database

Section: 02

Topic: Database SQL2 - Part 1

* Data manipulation Language - Part 1

* Part 1 Running a script to populate the tables.

Step 1 : Create database tables

```
Code: Create CREATE TABLE inventory_list (  
    id VARCHAR2(11) PRIMARY KEY,  
    cost NUMBER(10,2),  
    units NUMBER  
);
```

```
CREATE TABLE items (  
    itm-number VARCHAR2(20) PRIMARY KEY,  
    name VARCHAR2(200),  
    description VARCHAR2(50),  
    category VARCHAR2(80),  
    color VARCHAR2(50),  
    "SIZE" VARCHAR2(10),  
    iit_id VARCHAR2(20),  
    FOREIGN KEY (iit_id) REFERENCES inventory_list (id)  
);
```

```

CREATE TABLE price-history (
  start_date DATE,
  start_time TIMESTAMP,
  price NUMBER(8,2),
  end_date DATE,
  end_time TIMESTAMP,
  itm-number VARCHAR(20),
  FOREIGN KEY (itm-number) REFERENCES items(itm-number)
);

```

```

CREATE TABLE sales-representative (
  id VARCHAR(20) PRIMARY KEY,
  email VARCHAR(100),
  first-name VARCHAR(100),
  last-name VARCHAR(100),
  phone-number VARCHAR(100),
  commission_rate VAR NUMBER(5,2),
  supervisor_id VARCHAR(20),
  FOREIGN KEY (supervisor_id) REFERENCES sales-representative(id)
);

```

```

CREATE TABLE sales_rep_addresses (
  id VARCHAR(20),
  address_line_1 VARCHAR(100),
  address_line_2 VARCHAR(100),
  city VARCHAR(100),
  zip-code VARCHAR(20),
  FOREIGN KEY (id) REFERENCES sales-representative(id)
);

```

```
CREATE TABLE Teams (
  id VARCHAR2(20) PRIMARY KEY,
```

```
  name VARCHAR2(50),
```

```
  number_of_players NUMBER(10),
```

```
  discount NUMBER(5,2)
);
```

```
CREATE TABLE Customers (
```

```
  ctr_number VARCHAR2(50) PRIMARY KEY,
```

```
  email VARCHAR2(50),
```

```
  first_name VARCHAR2(50),
```

```
  last_name VARCHAR2(50),
```

```
  phone_number VARCHAR2(60),
```

```
  comm_balance NUMBER(8,2),
```

```
  sre_id VARCHAR2(50),
```

```
  tem_id VARCHAR2(50),
```

```
  loyalty_card_number VARCHAR2(50),
```

```
  FOREIGN KEY (tem_id) REFERENCES teams(id),
```

```
  FOREIGN KEY (sre_id) REFERENCES sales-representation(id)
);
```

```
CREATE TABLE Customers_addresses (
```

```
  id VARCHAR2(50),
```

```
  address_line_1 VARCHAR2(100),
```

```
  address_line_2 VARCHAR2(100),
```

```
  city VARCHAR2(50),
```

```
  zip_code VARCHAR2(60),
```

```
  ctr_number VARCHAR2(50),
```

```
  FOREIGN KEY (ctr_number) REFERENCES customers(ctr_number)
);
```

```
CREATE TABLE orders(  
  id VARCHAR2(50) PRIMARY KEY,  
  odr_date DATE,  
  odr_time TTTIMESTAMP,  
  number_of_units NUMBER,  
  ctr_number VARCHAR2(50)  
  FOREIGN KEY(ctr_number) REFERENCES customers(ctr_number)  
);
```

```
GRA CREATE TABLE ordered_items(  
  quantity_ordered NUMBER,  
  quantity_shipped NUMBER,  
  odr_id VARCHAR2(50),  
  itm_number VARCHAR2(50),  
  FOREIGN KEY(odr_id) REFERENCES orders(id),  
  FOREIGN KEY(itm_number) REFERENCES items(itm_num)  
);
```


No.:

Date:

RPART 2: Add a new customer with following details for the system

1) INSERT INTO teams values ('t004', 'Jets', 10/5);

ID	NAME	Number-of-Players	discount
t001	Rockets	25	10
t002	Celcits	42	20
t003	Rovers	8	-
t004	Jets	10	5

2) Insert INTO customers (ctr-number, email, ^{first-name} first-name, last-name, phone-number, current-balance, loyalty-card-number)
VALUES

('C02001', 'branny@hatech.com', 'Brian', 'Rogers', '01654564898', -5, '1c4587');

-error

3) INSERT INTO customers (ctr-number, email, first-name, last-name, phone-number, current-balance, loyalty-card-number)

VALUES ('C0200', 'branny@hatech.com', 'Brian', 'Rogers', '01654564898', 50, '1c4587');

CTR-number	Email	First-name	Last-name	Phone	Car-ID
C00001	bob.thorberry @heatmali.com	Robert	Thorn berry	01234567898	150
C00012	J.Jones@fuu com	Jennifer	Jones	0160504508	0
C00101	unknown@ here.com	John	Doe	0326507808 87	987.5
C00103	murciaA@ globaltek.com	Andrew	Murcia	0771524680	85
G01986	magel187@ delphiview.com	Maria	Galant	01442736529	125.65
C02001	branny@ hotech.com	Brann	Rogers	01654604708	50

SRE-ID	TEM-ID	LOYALTY-CARD-NUMBER
Sr01	+001	-
@ -	-	1C1015
Sr01	81 +002	-
-	-	1C2341
Sr03	+003	-
-	-	1C4587