SET echo on;

SET serveroutput on;

/\* Drop tables, sequence, and other objects you create\*/

DROP TABLE OrderDetails;

DROP TABLE Item;

DROP TABLE CustomerOrder;

DROP TABLE ItemType;

DROP TABLE Customer;

DROP SEQUENCE Customer\_Seq;

DROP SEQUENCE CustomerOrder\_Seq;

DROP SEQUENCE OrderDetails\_Seq;

DROP SEQUENCE Item\_Seq;

DROP SEQUENCE ItemType\_Seq;

/\* Create 5 tables \*/

CREATE TABLE Customer

(

Customer\_ID NUMBER NOT NULL,

Cust\_FName VARCHAR2 (50),

Cust\_LName VARCHAR2 (50),

Cust\_Address VARCHAR2 (100),

Cust\_ZipCode VARCHAR2(10),

Cust\_PhoneNum VARCHAR2(15),

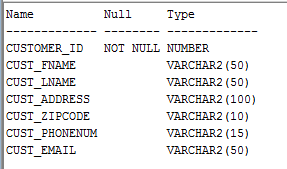
Cust\_Email VARCHAR2(50),

CONSTRAINT pk\_customer PRIMARY KEY (Customer\_ID)

);

COMMENT ON TABLE Customer IS 'Table used to store Customer information';

DESCRIBE Customer;



CREATE TABLE CustomerOrder

(

Customer\_Order\_ID NUMBER NOT NULL,

Order\_Date DATE,

Customer\_ID NUMBER NOT NULL,

CONSTRAINT pk\_CustomerOrder PRIMARY KEY (Customer\_Order\_Id),

CONSTRAINT fk\_Customer FOREIGN KEY (Customer\_ID)

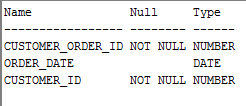
REFERENCES Customer

);

COMMENT ON TABLE CustomerOrder IS

'Table used to store main order information for each customer';

DESCRIBE CustomerOrder;



CREATE TABLE ItemType

(

Item\_Type\_ID NUMBER NOT NULL,

Type\_Name VARCHAR2(50),

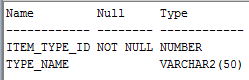
CONSTRAINT pk\_ItemType PRIMARY KEY (Item\_Type\_ID)

);

COMMENT ON TABLE ItemType IS

'Table serves as a lookup or reference for the type of item an item is';

DESCRIBE ItemType;



CREATE TABLE Item

(

Item\_ID NUMBER NOT NULL,

Item\_ListPrice NUMBER,

Item\_Cost NUMBER,

Item\_Name VARCHAR2 (50),

Item\_Type\_ID NUMBER,

Spec\_Documents BLOB,

Total\_Qty NUMBER,

Reorder\_Qty NUMBER,

Date\_Added DATE,

CONSTRAINT pk\_Item PRIMARY KEY (Item\_ID),

CONSTRAINT fk\_ItemType FOREIGN KEY (Item\_Type\_ID)

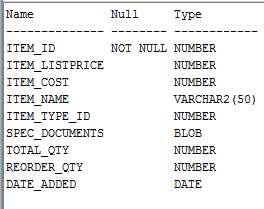
REFERENCES ItemType

);

COMMENT ON TABLE Item IS

'Used to list all the necessary properties belonging to each specific item';

DESCRIBE Item;



CREATE TABLE OrderDetails

(

Order\_Details\_ID NUMBER NOT NULL,

Order\_Details\_Qty NUMBER,

Discount NUMBER,

Item\_ID NUMBER NOT NULL,

Customer\_Order\_ID NUMBER NOT NULL,

CONSTRAINT pk\_OrderDetails PRIMARY KEY (Order\_Details\_ID),

CONSTRAINT fk\_CustomerOrder FOREIGN KEY (Customer\_Order\_ID)

REFERENCES CustomerOrder,

CONSTRAINT fk\_OrderItem FOREIGN KEY (Item\_ID)

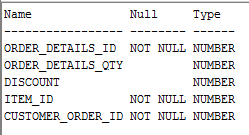
REFERENCES Item

);

COMMENT ON TABLE OrderDetails IS

'Contains the breakdown of each item ordered from CustomerOrder Table';

DESCRIBE OrderDetails;



/\* Create indexes on foreign keys\*/

CREATE INDEX fk\_Customer on CustomerOrder(Customer\_ID);

CREATE INDEX fk\_ItemType on Item(Item\_Type\_ID);

CREATE INDEX fk\_CustomerOrder on OrderDetails(Customer\_Order\_ID);

CREATE INDEX fk\_OrderItem on OrderDetails(Item\_ID);

/\* Create sequence\*/

CREATE SEQUENCE Customer\_Seq

START WITH 1

INCREMENT BY 1;

CREATE SEQUENCE CustomerOrder\_Seq

START WITH 1

INCREMENT BY 1;

CREATE SEQUENCE OrderDetails\_Seq

START WITH 1

INCREMENT BY 1;

CREATE SEQUENCE Item\_Seq

START WITH 1

INCREMENT BY 1;

CREATE SEQUENCE ItemType\_Seq

START WITH 1

INCREMENT BY 1;

/\* Data Dictionary query \*/

PURGE recyclebin;

/\*The next query returns a list of all objects in the user\_objects table\*/

SELECT /\*fixed\*/ object\_name, object\_type FROM user\_objects ORDER BY object\_type;

/\* Insert data into each table \*/

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Bob', 'Roberts', '123 ABC Street','31088', '123-456-0000', 'BobRoberts@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Mary', 'Jane', '45 Alberta Lane ','31771', '476-897-1111', 'MaryJane@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Brandon', 'Russell', '123 Finegand Place ','31771', '234-123-222', 'HighFive34@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'James', 'Doe', '46 Alberta Lane ','31771', '476-897-1112', 'JamesDoe@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Jim', 'Bob', '47 Alberta Lane ','31771', '476-897-1113', 'JimBob@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Patricia', 'Russell', '48 Alberta Lane ','31771', '476-897-1114', 'PRussell@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Jane', 'Johnson', '49 Alberta Lane ','31771', '476-897-1115', 'JJ123@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Hyon', 'Yi', '50 Alberta Lane ','31771', '476-897-1116', 'HyonYi@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Keith', 'Jordan', '51 Alberta Lane ','31771', '476-897-1117', 'KJ88@gmail.com');

INSERT INTO Customer (Customer\_ID, Cust\_FName, Cust\_LName, Cust\_Address, Cust\_ZipCode, Cust\_PhoneNum, Cust\_Email)

VALUES (Customer\_Seq.NEXTVAL, 'Pete', 'Smith', '52 Alberta Lane ','31771', '476-897-1118', 'PeteS33@gmail.com');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 1, '12-FEB-16');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 2, '15-FEB-16');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 3, '16-FEB-16');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 4, '15-JAN-16');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 5, '10-JAN-16');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 6, '01-FEB-16');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 7, '03-DEC-15');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 8, '20-NOV-15');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 9, '22-OCT-15');

INSERT INTO CustomerOrder (Customer\_Order\_ID, Customer\_ID, Order\_Date)

VALUES (CustomerOrder\_Seq.NEXTVAL, 10, '23-FEB-16');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'CPU');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'Battery');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'Desktop');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'Laptop');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'Monitor');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'Printer');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'RAM');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'Floppy Drive');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'DVD Drive');

INSERT INTO ItemType (Item\_Type\_ID, Type\_Name)

VALUES (ItemType\_Seq.NEXTVAL, 'Video Card');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 123.23, 50.12, '4.2GHZ Intel I5 6th Gen',1, EMPTY\_BLOB(), 100, 1, '01-FEB-16');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 1000.01, 500.08, 'Dell XPS 13 Laptop', 4, EMPTY\_BLOB(), 100, 1, '01-JAN-16');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 56.34, 12.12, 'A42-U53 Battery', 2, EMPTY\_BLOB(), 100, 10, '01-FEB-15');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 450.25, 80.00, 'HP Pavilion Desktop', 3, EMPTY\_BLOB(), 50, 2, '01-APR-15');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 100.25, 68.00, 'HP 22 Inch Monitor', 5, EMPTY\_BLOB(), 50, 6, '01-JUN-15');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 75.25, 25.00, 'LexMark Printer 5500', 6, EMPTY\_BLOB(), 25, 2, '01-JAN-15');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 40.00, 10.00, '4GB DDR3 144-Pin RAM', 7, EMPTY\_BLOB(), 25, 5, '01-JUL-15');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 15.25, 3.00, 'Dell 3.5 Inch Floppy', 8, EMPTY\_BLOB(), 10, 3, '01-SEP-15');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 55.25, 28.00, 'Dell 200x DVD Burner', 9, EMPTY\_BLOB(), 10, 2, '01-MAR-15');

INSERT INTO Item (Item\_ID, Item\_ListPrice, Item\_Cost, Item\_Name, Item\_Type\_ID, Spec\_Documents, Total\_Qty, Reorder\_Qty, Date\_Added)

VALUES (Item\_Seq.NEXTVAL, 300.00, 58.00, 'AMD EVGA 1GB DDR3 Video Card', 10, EMPTY\_BLOB(), 10, 1, '01-JUN-15');

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 1, 1, 1, .05);

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 2, 2, 1, .05);

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 3, 3, 2, 0);

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 4, 4, 3, .10);

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 5, 5, 4, 0);

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 6, 6, 5, 0);

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 7, 7, 6, 0);

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 8, 8, 7, 0);

INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 1, 9, 8, 0);

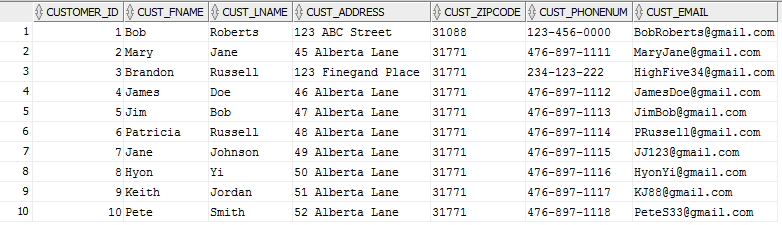
INSERT INTO OrderDetails (Order\_Details\_ID, Order\_Details\_Qty, Item\_ID, Customer\_Order\_ID, Discount)

VALUES (OrderDetails\_Seq.NEXTVAL, 1, 10, 9, 0);

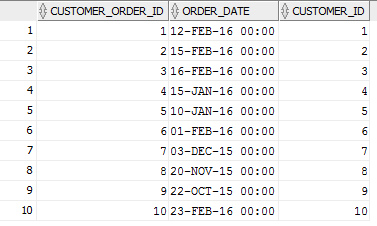
commit;

/\* Verify each tables content \*/

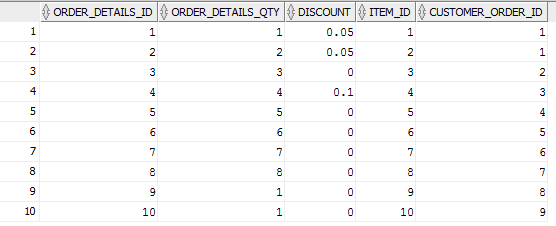
SELECT /\*fixed\*/ \* FROM Customer;



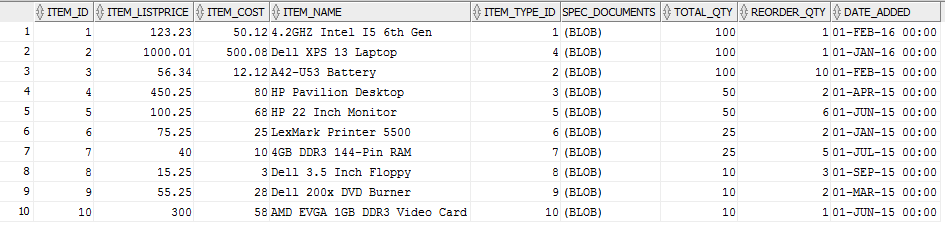
SELECT /\*fixed\*/ \* FROM CustomerOrder;



SELECT /\*fixed\*/ \* FROM OrderDetails;



SELECT /\*fixed\*/ \* FROM Item;



SELECT /\*fixed\*/ \* FROM ItemType;

