

IS 475/675 - HW #5

1)

Create Table tblCustomer

```
(
  CustomerID          char(5),
  LastName            varchar(30) NOT NULL,
  FirstName          varchar(20),
  Address             varchar(30) NOT NULL,
  City               varchar(20) NOT NULL,
  State              char(2) NOT NULL,
  Zip               varchar(12) NOT NULL,
  Country            varchar(15),
  FirstBuyDate       datetime,
  Email             varchar(60),
  Phone             char(15) NOT NULL,
  Constraint         pkCustomer Primary Key (CustomerID)
);
```

Create Table tblItemType

```
(
 TypeID              int,
  CategoryDescription varchar(50),
  Constraint         pkType Primary Key (TypeID)
);
```

Create Table tblOrder

```
(
  OrderID            char(6),
  CustomerID         char(5) NOT NULL,
  PrimaryOrderID     char(6),
  OrderDate          datetime NOT NULL,
  DiscountCode       char(2) Check (DiscountCode IN ('02', '03', '04', '06', '08', '10', 'A1', 'B3')),
  CreditCode         char(3) NOT NULL,
  ShipName           varchar(30),
  ShipAddress        varchar(30),
  ShipZip            varchar(12),
  ShipCountry        varchar(30),
  ShipPhone          varchar(15),
  Constraint         pkOrder Primary Key (OrderID),
  Constraint         fkCustomer Foreign Key (CustomerID) References tblCustomer (CustomerID),
  Foreign Key        (PrimaryOrderID) References tblOrder (OrderID)
);
```

Create Table tblItem

```
(
  ItemID            char(6),
  TypeID           int NOT NULL,
  Description       varchar(300),
  ListPrice        money NOT NULL Check (ListPrice > 5),
  Constraint        pkItem Primary Key (ItemID),
  Constraint        fkType Foreign Key (TypeID) References tblItemType (TypeID)
);
```

Create Table tblOrderLine

```
(
    OrderID          char(6),
    ItemID            char(6),
    Quantity          int NOT NULL Check (Quantity > 0),
    Price             money NOT NULL Check (Price > 0),
    Constraint        pkOrderLine Primary Key (OrderID, ItemID),
    Constraint        fkOrder Foreign Key (OrderID) References tblOrder (OrderID),
    Constraint        fkIte Foreign Key (ItemID) References tblItem (ItemID)
);
```

Create Table tblItemLocation

```
(
    ItemID            char(6),
    LocationID        char(2),
    QtyOnHand         int,
    Constraint        pkItemLocation Primary Key (ItemID, LocationID),
    Constraint        fkItem4Location Foreign Key (ItemID) References tblItem (ItemID)
);
```

Create Table tblItemCostHistory

```
(
    ItemID            char(6),
    LastCostDate      datetime,
    LastCost          money NOT NULL,
    Constraint        pkItemCostHistory Primary Key (ItemID, LastCostDate),
    Constraint        fkItem4History Foreign Key (ItemID) References tblItem (ItemID)
);
```

Create Table tblShipLine

```
(
    DateShipped       datetime,
    OrderID           char(6),
    ItemID            char(6),
    LocationID        char(2),
    QtyShipped        int NOT NULL,
    MethodShipped     varchar(30) NOT NULL,
    Constraint        pkShipLine Primary Key (DateShipped, OrderID, ItemID, LocationID),
    Constraint        fkOrderLine4ShipLine Foreign Key (OrderID, ItemID) References tblOrderLine
(OrderID, ItemID),
    Constraint        fkItemLocation Foreign Key (ItemID, LocationID) References tblItemLocation
(ItemID, LocationID)
);
```

Create Table tblReview

```
(
    ReviewID          int Identity(1,1),
    OrderID           char(6) NOT NULL,
    ItemID            char(6) NOT NULL,
    ReviewDate        datetime,
    Rating            int Check (Rating >= 1 and Rating <= 5),
    ReviewText        varchar(500),
    Constraint        pkReview Primary Key (ReviewID),
    Constraint        fkOrderLine4Review Foreign Key (OrderID, ItemID) References tblOrderLine
(OrderID, ItemID)
);
```

);

2)

Converted the Word tables into Excel sheets and then used the Excel “&”, IF, and ISBLANK functions to add parentheses, commas, quotation marks, and null values for each row of data in each table. Then manually wrote the SQL Insert commands and pasted the block of now correctly formatted SQL data underneath each.

3)

tblCustomer

	CustomerID	LastName	FirstName	Address	City	State	Zip	Country	FirstBuyDate	Email	Phone
1	00405	Barrington	Margaret	1765 Roundtree Pkwy	reno	nv	89509-1454	USA	2006-07-12 00:00:00.000	barry@hotmail.com	7757464561
2	00625	Dao	Phong	341 West Park	Fresno	CA	96137	NULL	2015-09-02 00:00:00.000	daop@gmail.com	8582138982
3	06774	Phillips	Kendall	44512 Sawbuck Path	SPARKS	nv	89432	USA	2000-08-12 00:00:00.000	flipper@gmail.com	7753324636
4	07831	Rodriguez	Karen	4589 Marthiam	Chico	CA	97111	NULL	2008-11-06 00:00:00.000	rodriguez@aol.com	8193821828
5	08892	Twillers	Bethany	P.O.Box 5661	san jose	ca	98123	USA	2000-04-01 00:00:00.000	twillbeth@yahoo.com	8098291838
6	12001	Cranston	Brittany	12 Sandstone	Sparks	NV	89431	NULL	2014-04-12 00:00:00.000	britters@ccb.com	7753312199
7	12006	Martinez	Guadalupe	223 North Pinetree Drive	Reno	NV	89511	NULL	2012-02-14 00:00:00.000	gmartinez@ccu.edu	7758837612
8	21142	Candriller	Kathy	2 Sedgeway	Laguna Beach	CA	94567	NULL	2015-12-11 00:00:00.000	kriller@mbu.edu	6198813929
9	21143	Jackson	Janice	2341 Bramble Bush Drive	Sparks	NV	89431-0112	NULL	2014-05-06 00:00:00.000	jj@isp.all.com	7753317188
10	29188	Polanski	Tiffany	5778 Battlemount Ct.	RENO	NV	89507	NULL	2011-08-23 00:00:00.000	skipole@gmail.com	7757465771
11	30192	Chen	Lian	2319 Crest Dr	REno	Nv	89503-0113	NULL	1999-08-30 00:00:00.000	jester@here.com	7757218991
12	32018	Jones	Martin	10 South Wilders	reno	nv	89503-8912	USA	2016-02-12 00:00:00.000	mmm@hard.com	7753314838
13	32817	Foster	Ben	318 Western Ave	SAN diego	ca	92381	NULL	1999-08-15 00:00:00.000	fosterben@aol.com	8583284483
14	38817	Argiento	Bud	1001 Catchway	Anaheim	CA	95113	NULL	2015-03-12 00:00:00.000	bud@cservices.com	8037718991
15	78112	Guili	Mary Anne	4457 Meridith St	Irvine	CA	97128	NULL	2012-10-09 00:00:00.000	ma@san.rr.com	6195621334

tblItemtype

	TypeID	CategoryDescription
1	10	Classic Board Games
2	11	Word Games
3	12	Science Fiction and Fantasy
4	15	Mystery and Thrillers
5	16	Romance
6	17	Comedy and Jokes
7	18	Risque and Adult Material
8	20	Office and Team Building

tblOrder

	OrderID	CustomerID	PrimaryOrderID	OrderDate	DiscountCode	CreditCode	ShipName	ShipAddress	ShipZip	ShipCountry	ShipPhone
1	123000	00405	NULL	2016-02-02 00:00:00.000	A1	111	NULL	NULL	NULL	NULL	NULL
2	200335	07831	567123	2016-01-26 00:00:00.000	NULL	111	Cordwin	Arch 162 Stamford Brook	W6 0SE	UK	441817417500
3	223344	21142	NULL	2016-02-09 00:00:00.000	NULL	231	NULL	NULL	NULL	NULL	NULL
4	300221	07831	567123	2016-01-26 00:00:00.000	03	231	Baron M...	251 Western Avenue S...	8776	USA	2109003005
5	400001	32018	NULL	2016-02-20 00:00:00.000	B3	111	NULL	NULL	NULL	NULL	NULL
6	445511	32018	NULL	2016-02-15 00:00:00.000	02	444	NULL	NULL	NULL	NULL	NULL
7	450137	07831	NULL	2015-12-29 00:00:00.000	NULL	444	Frandsen...	435 Caminito Coriente	92129	USA	6551223298
8	567123	07831	NULL	2016-01-26 00:00:00.000	NULL	444	Jenkins ...	2276 Brentell Street Sui...	92128	USA	8583440669
9	651222	12006	NULL	2016-01-29 00:00:00.000	NULL	111	NULL	NULL	NULL	NULL	NULL
10	671100	32018	NULL	2016-02-19 00:00:00.000	NULL	111	NULL	NULL	NULL	NULL	NULL
11	675990	00625	892211	2015-12-28 00:00:00.000	NULL	111	Karen N...	601 Comet View Ct.	90056	USA	7018902330
12	781206	38817	NULL	2016-02-15 00:00:00.000	06	231	Carrington...	231 Dulwich St. Wellin...	TA21 ...	UK	2088887009
13	892211	00625	NULL	2015-12-28 00:00:00.000	NULL	111	NULL	NULL	NULL	NULL	NULL
14	980001	78112	NULL	2016-01-22 00:00:00.000	04	444	NULL	NULL	NULL	NULL	NULL
15	983983	32018	671100	2016-02-19 00:00:00.000	NULL	111	Ender In...	3011 Marsh Dr.	67455	USA	3558992111

tblItem

	ItemID	TypeID	Description	ListPrice
1	A23441	10	New York City Monopoly Game Collector's Edition	29.95
2	A23771	12	Mysterium	132.99
3	A34665	10	Boggle Deluxe 5x5	34.95
4	A34882	10	Perudo	10.95
5	A45111	15	How to Host a Murder - An Affair to Dismember	28.95
6	B67123	12	Tiny Epic Galaxies	39.99
7	B67466	20	Diplomacy: Game of Negotiation, Cunning and ...	43.95
8	B78244	15	Code Names	19.95
9	B78500	12	Pandemic Legacy	59.99
10	C26133	20	Knowledge Management: Create a Learning Or...	395.95
11	C29179	20	Managing Change: The Game for an Executive...	259.95
12	C34122	20	A Game of Strategy, Negotiation and Excitemen...	169.95

tblOrderLine

	OrderID	ItemID	Quantity	Price
1	123000	A23441	8	29.95
2	123000	A34665	30	37.95
3	123000	B67123	5	389.99
4	200335	A23441	1	29.95
5	200335	A34665	1	34.95
6	200335	B67123	1	39.99
7	200335	B67466	1	43.95
8	223344	A23441	55	29.95
9	223344	A23771	15	122.99
10	223344	A34665	100	23.95
11	223344	A34882	35	7.95
12	223344	B67123	25	34.95
13	223344	B67466	15	40.95
14	300221	A23771	1	145.99
15	300221	A34665	1	35.95
16	300221	A34882	1	10.95
17	300221	B67123	1	39.99
18	300221	B78244	1	19.95
19	400001	C26133	1	395.95
20	445511	C34122	3	269.95
21	450137	A23771	16	135.99
22	450137	A34665	10	31.00
23	450137	A34882	50	9.95
24	450137	B67123	21	14.95
25	450137	B67466	9	41.95
26	450137	C26133	4	398.95
27	450137	C34122	6	167.95
28	567123	C26133	1	395.95
29	651222	A34665	5	37.95
30	651222	A34882	16	11.95
31	651222	B78244	21	17.99
32	671100	C29179	1	259.95
33	781206	B67466	1	43.95
34	781206	C29179	2	280.00
35	892211	C26133	15	380.00
36	892211	C29179	10	259.95
37	892211	C34122	8	200.00
38	980001	C29179	3	275.99
39	980001	C34122	2	169.95
40	983983	A23771	1	135.99
41	983983	B78244	18	18.95

tblItemLocation

	ItemID	LocationID	QtyOnHand
1	A23441	10	11
2	A23441	20	23
3	A23441	30	25
4	A23771	10	6
5	A23771	20	4
6	A23771	30	5
7	A34665	10	141
8	A34882	10	40
9	A34882	30	55
10	A45111	10	2
11	A45111	20	3
12	A45111	30	2
13	B67123	10	22
14	B67123	20	28
15	B67123	30	6
16	B67123	40	4
17	B67466	10	0
18	B67466	20	3
19	B67466	30	4
20	B78244	20	22
21	B78500	20	8
22	B78500	30	1
23	C29179	10	15
24	C29179	20	15
25	C34122	10	16
26	C34122	20	21

tblItemCostHistory

	ItemID	LastCostDate	LastCost
1	A23441	2013-01-06 00:00:00.000	10.25
2	A23441	2013-05-12 00:00:00.000	10.50
3	A23441	2014-09-23 00:00:00.000	10.88
4	A23441	2015-07-07 00:00:00.000	11.15
5	A23441	2016-01-05 00:00:00.000	10.35
6	A23441	2016-02-02 00:00:00.000	12.50
7	A23771	2013-07-23 00:00:00.000	8.50
8	A34665	2015-01-12 00:00:00.000	15.00
9	A34665	2015-07-15 00:00:00.000	14.50
10	A34665	2015-12-28 00:00:00.000	14.35
11	A34882	2014-02-19 00:00:00.000	6.50
12	A34882	2016-02-05 00:00:00.000	12.50
13	B67123	2015-08-08 00:00:00.000	14.50
14	B67123	2015-10-21 00:00:00.000	18.80
15	B67123	2016-01-10 00:00:00.000	14.50
16	B67123	2016-02-02 00:00:00.000	21.80
17	B67466	2014-07-07 00:00:00.000	22.50
18	B67466	2015-06-28 00:00:00.000	28.90
19	B67466	2015-09-12 00:00:00.000	31.00
20	B78244	2015-07-15 00:00:00.000	14.50
21	B78500	2015-03-21 00:00:00.000	18.95
22	B78500	2015-07-15 00:00:00.000	18.00
23	B78500	2015-11-25 00:00:00.000	21.00
24	B78500	2016-02-10 00:00:00.000	22.35
25	C26133	2014-07-13 00:00:00.000	200.00
26	C26133	2015-07-23 00:00:00.000	225.00
27	C26133	2015-09-18 00:00:00.000	215.00
28	C26133	2016-02-15 00:00:00.000	212.25
29	C29179	2015-08-07 00:00:00.000	160.00
30	C29179	2016-01-17 00:00:00.000	158.85
31	C34122	2013-02-06 00:00:00.000	45.00
32	C34122	2014-02-06 00:00:00.000	48.00
33	C34122	2015-02-06 00:00:00.000	51.00
34	C34122	2016-02-02 00:00:00.000	58.50

tblShipLine (Rows 1 through 44)

	DateShipped	OrderID	ItemID	LocationID	QtyShipped	MethodShipped
1	2016-01-19 00:00:00.000	450137	B67123	20	8	ups
2	2016-01-23 00:00:00.000	892211	C29179	10	6	UPS
3	2016-01-23 00:00:00.000	892211	C34122	10	2	UPS
4	2016-01-23 00:00:00.000	892211	C34122	20	3	UPS
5	2016-01-27 00:00:00.000	450137	B67123	20	3	UPS
6	2016-01-27 00:00:00.000	450137	B67123	30	14	Ups
7	2016-01-27 00:00:00.000	450137	B67123	40	4	ups
8	2016-02-05 00:00:00.000	300221	A23771	20	1	Ups
9	2016-02-05 00:00:00.000	300221	B78244	20	1	UPS
10	2016-02-05 00:00:00.000	980001	C34122	10	2	FEDEX
11	2016-02-06 00:00:00.000	980001	C29179	10	3	FEDex
12	2016-02-10 00:00:00.000	223344	A23441	10	3	UPS
13	2016-02-10 00:00:00.000	223344	A23441	20	20	UPS
14	2016-02-10 00:00:00.000	223344	A23771	10	8	ups
15	2016-02-10 00:00:00.000	223344	A23771	20	2	UPS
16	2016-02-10 00:00:00.000	223344	A34665	10	45	UPs
17	2016-02-10 00:00:00.000	223344	A34882	10	15	fedEX
18	2016-02-10 00:00:00.000	223344	B67123	10	13	UPS
19	2016-02-10 00:00:00.000	300221	A34665	10	1	UPS
20	2016-02-11 00:00:00.000	223344	A23771	30	5	UPS
21	2016-02-12 00:00:00.000	223344	A23441	20	5	Ups
22	2016-02-12 00:00:00.000	223344	A34665	10	65	ups
23	2016-02-12 00:00:00.000	223344	A34882	10	20	UPS
24	2016-02-12 00:00:00.000	300221	A34882	10	1	UPs
25	2016-02-15 00:00:00.000	123000	A23441	20	8	UPS
26	2016-02-15 00:00:00.000	123000	A34665	10	32	UPS
27	2016-02-16 00:00:00.000	445511	C34122	10	3	FeDEX
28	2016-02-19 00:00:00.000	200335	A23441	20	6	UPS
29	2016-02-19 00:00:00.000	781206	B67466	30	4	Delta Freight
30	2016-02-20 00:00:00.000	300221	B67123	10	1	UpS
31	2016-02-21 00:00:00.000	200335	B67466	10	1	Delta Freight
32	2016-02-21 00:00:00.000	450137	A34665	10	10	FeDeX
33	2016-02-22 00:00:00.000	223344	B67123	10	12	UPS
34	2016-02-22 00:00:00.000	651222	A34882	30	32	UPS
35	2016-02-22 00:00:00.000	892211	C29179	10	4	UPS
36	2016-02-25 00:00:00.000	123000	B67123	10	5	UPS
37	2016-02-25 00:00:00.000	671100	C29179	10	1	UPS
38	2016-02-29 00:00:00.000	651222	A34882	30	10	UPS
39	2016-03-01 00:00:00.000	223344	A23771	30	30	UPS
40	2016-03-01 00:00:00.000	450137	B67466	20	9	FedEx
41	2016-03-01 00:00:00.000	651222	A34882	30	10	UPS
42	2016-03-02 00:00:00.000	450137	A34882	30	15	UpS
43	2016-03-02 00:00:00.000	651222	A34665	10	2	UPS
44	2016-03-02 00:00:00.000	651222	A34882	10	5	UPS

tblShipLine (Rows 45 through 48)

45	2016-03-04 00:00:00.000	651222	A34665	10	3	UPS
46	2016-03-05 00:00:00.000	651222	A34882	10	10	FedEX
47	2016-03-06 00:00:00.000	651222	B78244	20	21	ups
48	2016-03-19 00:00:00.000	651222	A34882	10	1	UPS

tblReview

	ReviewID	OrderID	ItemID	ReviewDate	Rating	ReviewText
1	1	200335	A34665	2016-02-12 00:00:00.000	1	This is the worst company I've ever dealt with. They still have not shipped my order and it was placed on January 26. I will never buy anything from them again. Ever.
2	2	450137	C34122	2016-02-14 00:00:00.000	1	I don't know how this company stays in business. They can't ship anything on time, and their game selection isn't all that great.
3	3	300221	A23771	2016-02-18 00:00:00.000	5	Shipping was fast, the game was in great shape, and I will order from them again. Highly recommend.
4	4	223344	A23771	2016-02-16 00:00:00.000	4	This is one of the few companies that will ship internationally fairly cost effectively. They are slow, but at least shipping isn't a ridiculous amount.
5	5	445511	C34122	2016-01-15 00:00:00.000	3	They are slow. They overship. They undership. They have the best shipping internationally, but nothing spectacular if you are shipping to the U.S. Buyer beware.