

## Database Lesson 5

### Creating Database



**From:**

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**Study Program:**

Informatics Engineering

**Lesson #5**  
**Creating the Database**

**Exercise 8**

**Objectives:** At the end of the activity, the students must be able to:

1. Create tables and name fields appropriately.
2. Define appropriate data type and field properties.
3. Identify Primary Keys.
4. Apply validation rule and text for selected fields.

**Instructions:**

1. Create the tables below and name fields appropriately using your mysql workbench.
2. Identify appropriate data type and field size of fields.
3. Assign primary keys.

tblCountryName			
CountryID	CountryName	ExportCoffeeBags	ExportTeaPounds
0	n/a or unknown		
1	Afghanistan		
2	Albania		
3	Algeria		
4	American Samoa		
5	Andorra		
6	Angola	3,500,000.00	
7	Anguilla		
8	Antarctica		
9	Antigua and Barbuda		
10	Argentina		

tblInventory				
InventoryID	ItemID	Caffeinated	Price	OnHand
1101	116	Yes	\$8.10	512.00
1102	422	No	\$5.30	3,190.00
1103	440	No	\$7.70	-130.00
1104	455	No	\$5.30	3,380.00
1105	449	No	\$7.60	3,300.00
1106	224	Yes	\$7.40	1,130.00
1107	113	Yes	\$8.80	315.00
1108	134	Yes	\$10.30	443.00
1109	275	Yes	\$8.00	354.00
1110	353	No	\$13.70	354.00

tblOrderLine				
Order ID	Inventory ID	Quantity	Unit Price	Discount
14606	1123	7	\$8.00	0.00%
14607	1101	16	\$8.10	5.00%
14608	1188	8	\$3.80	0.00%
14608	1207	19	\$8.40	5.00%
14608	1221	6	\$5.60	0.00%
14609	1128	18	\$8.90	5.00%
14609	1214	3	\$5.30	0.00%
14609	1215	15	\$4.70	15.00%
14609	1221	2	\$5.60	0.00%
14610	1133	17	\$7.90	5.00%
14610	1159	14	\$6.40	15.00%
14610	1190	15	\$7.20	15.00%
14610	1241	3	\$5.30	0.00%
14610	1244	18	\$7.40	5.00%
14611	1110	18	\$13.70	10.00%
14611	1168	2	\$325.00	0.00%

tblOrder				
Order No.	Order Date	Cust. No.	Wholesale	Sales Rep. No.
14606	12/10/2000	30473	1	1695
14607	12/16/2000	30581	1	1528
14608	12/17/2000	35249	1	1528
14609	12/18/2000	33974	2	3700
14610	12/19/2000	35201	1	4112
14611	12/21/2000	32350	2	4029
14612	12/21/2000	34666	2	4058
14613	12/22/2000	34458	2	4012
14614	12/22/2000	31932	2	3692
14615	12/22/2000	30744	2	3700

tblEmployeeTitle	
TitleID	Title
1	Sales Trainee
2	Sales Associate
3	Senior Sales Associate
4	Sales Manager
5	Senior Sales Manager
6	Division Sales Manager
7	Regional Manager
8	Division Manager
9	National Sales Manager

tblSalesTaxRate				
StateAbbreviation	StateName	TaxRate	Population	LandArea
AK	Alaska	0.00%	524,000.00	589,757.00
AL	Alabama	4.00%	4,102,000.00	51,609.00
AR	Arkansas	4.50%	2,395,000.00	53,104.00
AZ	Arizona	5.00%	3,489,000.00	113,909.00
CA	California	7.25%	28,314,000.00	158,693.00
CO	Colorado	3.00%	3,301,000.00	104,247.00
CT	Connecticut	6.00%	3,233,000.00	5,009.00
DE	Delaware	0.00%	660,000.00	2,057.00
FL	Florida	6.00%	12,335,000.00	58,560.00
GA	Georgia	4.00%	6,342,105.00	58,876.00
HI	Hawaii	4.00%	1,098,000.00	6,450.00
IA	Iowa	5.00%	2,834,000.00	56,290.00
ID	Idaho	5.00%	1,003,000.00	83,557.00
IL	Illinois	6.25%	11,614,000.00	56,400.00

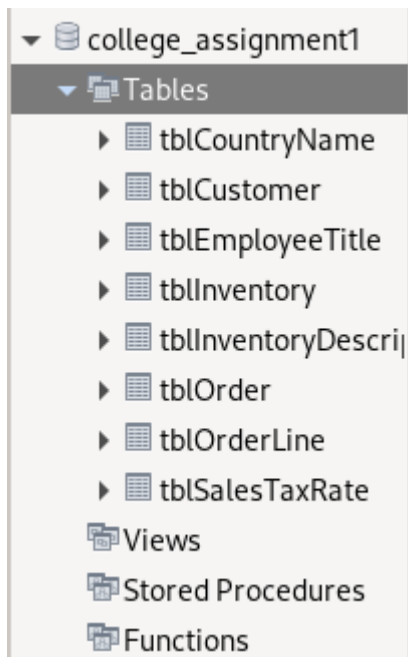
**Instructor: JUNEL B. VENTURA, MIT**

tblCustomer									
CustomerID	CompanyName	Contact	Address	City	State	ZipCode	PhoneNumber	FaxNumber	CreditLimit
30121	Fairfield Communities Inc.	Best, F. Stanley	2800 Cantrell Road	Little Rock	AR	72202	(501) 555-6079	(501) 555-6111	
30125	Alamo Group Inc.	Maul, Duane A.	1502 East Walnut	Seguin	TX	78155	(210) 555-1483	(210) 555-1539	\$15,600.00
30129	Kiwi International Air Lines Inc.	Rigas, Alan J.	Demishphere Center	Newark	NJ	07114	(201) 555-1311	(201) 555-1395	
30132	Republic Bancorp Inc.	Murray, T. Peter	1070 East Main Street	Owosso	MI	48867	(517) 555-7364	(517) 555-7430	
30136	Browne Bottling Co.	Shelton, Carl	411 First Avenue	Oklahoma	OK	73102	(405) 555-1168	(405) 555-1228	

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tblInventoryDescription					
ItemID	Name	BeverageType	Flavored	CountryID	Comments
134	China Yunnan	t	No	41	Black tea; tea from this province in southwestern China was first exported over 1,000 years ago. Originally a source of green tea, Yunnan in recent years has developed a black tea that is lighter and more delicately flavored than some of the traditional South China Congous.
137	Darjeeling Namring	t	No	82	Black tea; Assam, known as Darjeeling. Darjeeling is grown in the foothills of the Himalayas at elevations of 1,000 to 6,000 feet. It has a complex aroma with a clear, brisk, and penetrating flavor. Darjeeling is truly one of the finest teas in the world!
140	Kalgar-India	t	No	82	Black tea;
146	Mocha	c	No	151	Bold, earthy, mild acidity. One of Arabia's oldest and best known coffees.
176	New Zealand Sunnyslopes	t	No	127	Fruit blend Tisanes;
179	Passionfruit Fruit Blend	t	No	0	Fruit blend Tisanes;
182	Columbia Bucaramanga Especial	c	Yes	42	Full bodied, medium acidity, nutty undertones; a soft-bean coffee with some of the character of fine Sumatran coffees.
185	Columbia Supremo	c	No	42	Full bodied; walnutty flavor. The top of the line for Colombian arabicas.
212	Pan Fired Green	t	No	0	Green tea;
251	Lemon Grass	t	No	41	Herbal Tisanes; cut, sifted
254	Chamomile Blossom	t	No	56	Herbal Tisanes; whole flowers. Sweet and complex. Grown on the plains of the Nile valley. The world's best Chamomile!
257	Hibiscus	t	No	116	Herbal Tisanes; whole flowers
260	Espresso Roast	c	No	0	Intense, hearty, satisfying.
263	Mexican Coatepec	c	No	116	It has a fine acidity, delicate body, and pleasantly mellow flavor. Fine Mexican coffees such as Coatepec now compare well with those from Central America.
266	Kona Extra Fancy	c	No	183	Mild, smooth, and delicately aromatic. A mellow roast. This coffee is processed using the wet method to separate the cherry from the bean. Doing so produces a bright, lively acidity. Grown on the slopes of Mauna Loa on the Kona district of the island of H
269	Passionfruit with Flowers	t	Yes	93	Natural flavored tea;

- The table that i've been created



- Each table that i've been created like this

Name:

Schema:

Column Name	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
CountryID	INT(11)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
CountryName	VARCHAR(255)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
ExportCoffeeBags	INT(11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
ExportTeaPounds	INT(11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

- Each table is filled like this

#	CountryID	CountryName	ExportCoffeeBag	ExportTeaPound
1	0	unknown		
2	1	Afghanistan	NULL	NULL
3	2	Albania	NULL	NULL
4	3	Algeria	NULL	NULL
5	4	American S...	NULL	NULL
6	5	Andorra	NULL	NULL
7	6	Angola	3500000	NULL
8	7	Anguilla	NULL	NULL
9	8	Antartica	NULL	NULL
10	9	Antigua an...	NULL	NULL
11	10	Argentina	NULL	NULL
*			NULL	NULL