**SQL Server Certificate Capstone Project**

This overview walks you through the major steps needed to complete this Capstone project. You may complete the project in one of two ways:

1. **Challenge:** Use only this overview as your guide.
2. **Basic:** Utilize the code/scripts/hints provided on the “cheat sheet” located in: T/Continuing Education/Students/SQL Server Certificate/SQL Server Certificate Capstone – March 2019.

**Details**

* Your project is due by 9 pm on the last day of this Capstone course.
* You are free to work on the project here (during this course’s regularly scheduled hours) or at home.
* Attendance will not be taken.
* Your instructor will be in the classroom to provide guidance, if needed.

**Scoring the Project**

Within one week of submitting your project, your instructor will send you an email with “Pass” or “Improvement Needed.” If you receive an overall score of “Improvement Needed,” you will have one week to make revisions and resubmit.

The project will be scored based upon your successful completion of each of the requested features listed in the instructions. Your solutions do not have to match the solutions provided for you in the scripts as long as your results match what was asked for and are reasonable based upon the expectations.

**Project Description**

Widget Wonders has hired you to create a database that will track their customers’ contact information. Their goal is to mail promotional materials to their customers and follow up with phone calls. Currently, they are keeping all of their customer information on spreadsheets, but they know that they are going to be expanding soon and would like a newer, more robust, easier to expand, and easier to maintain data system to work with their new website system. For now, Widget Wonders is limiting the database to their US customers, only.

The company has provided you with the following data and specifications:

* All customers who live in or have a mailing address within the US
* An ID number is needed for the customer which should be an auto-increment integer
* The customers’ first names, last names, addresses, cities, states and their five digit US zip codes
* The customers phone numbers, including home and mobile if they have them.

**Step 1:**

* Normalize US state information (Note: Street addresses and cities are often normalized. However, we have limited time to complete this project, so we will only normalize the state information.)
* Determine which of the 50 US states, NOT including territories, has the longest name. Although District of Columbia is not a state, there are customers residing there, so it should be included when determining the longest name.
* Set the Name constraint.

**Step 2:**

* Create the database in SQL Server.

CREATE DATABASE WidgetWonders;

Go

**Step 3:**

* Make a table which will hold all of the 51 entries.

CREATE TABLE [dbo].[States]

(

[Code] [nchar](2) NOT NULL,

[Name] [nchar](20) NOT NULL

) ON [PRIMARY]

* Insert the state information. See appendix
* Review the data inserted with a SQL command to get all rows and columns.

SELECT \* FROM USSTATES;

* Write a query to inspect the states that begin with 'A'.

SELECT \*

FROM USSTATES

WHERE Name like 'A%';

* Write a query to inspect the states that begin with 'A' and sort it in ascending order.

SELECT \*

FROM USSTATES

WHERE Name like 'A%'

ORDER BY Name asc;

**Step 4:**

* Create the table for the customers, and include constraints. This can be done with a SQL Script.

CREATE TABLE [Customers]

(

[CustID] INTEGER NOT NULL IDENTITY(1, 1),

[FirstName] NVARCHAR(255),

[LastName] NVARCHAR(255),

[Address] NVARCHAR(255),

[City] NVARCHAR(255),

[State] NCHAR(2),

[USZipCode] NCHAR(5),

[HomePhone] NCHAR(14) NULL,

[MobilePhone] NCHAR(14) NULL,

PRIMARY KEY ([CustID])

);

* Insert the data into the Customers table.

INSERT INTO Customers (firstname,LastName,Address,City,State,USZipCode)

VALUES ('Buzz','Light Year', 'Space Command','Washington','DC','98222');

See appendix for script to load all customers

* Write a query to return all the information that was inserted.

SELECT \* FROM Customers;

* Write a query to list all customers sorted by last name in descending order.

SELECT \*

FROM Customers

ORDER BY LastName DESC;

* Write a query to list all customers, and ensure it only returns their first and last names.

SELECT FirstName,LastName

FROM Customers

ORDER BY LastName DESC;

***CLIENT INPUT***

We have shown the new database to the client, and they are happy. However, they have added new requirements to our project, and they still want the project finished by the end of the Capstone course.

**Additional Requirements:**

* They would like to see all clients living in WA, OR, and CA in one view (<- hint).
* They would like to have a phone list for the customers.
* They would like to see the actual state name along with the customer name.

**Step 5:**

* Back up the database.

**Step 6:**

* Make a view to see the WA, OR and CA customers. A view is reasonable for this as no other requirements are specified, and this is a simple query requiring little if any tuning.

CREATE VIEW V\_WestCoastCustomers

AS

SELECT CustID, FirstName, LastName,

Address, City, State, USZipCode,

HomePhone, MobilePhone

FROM customers

WHERE Customers.state IN ('CA','OR','WA');

* Verify that the view works, and remove \* (if used) as this is production now

***CLIENT INPUT***

The client needs phone numbers for the WA, OR, and CA view.

**Step 7:**

* Revise the SELECT to contain the information – phones => See above view creation
* Run the statement to verify we are getting what we need for the client.
* Once we are satisfied, make it into a view.
* Once successful, test the view.

**Step 8:**

* Make the phone list.

Before doing so, we ask our client the following:

1. What phone number should have precedence, if either?

2. Do they want it sorted to make the list easier to navigate?

They respond that MOBILE should be preferred, and yes, sort on LastName, please.

CREATE PROC SP\_CustomerPhoneList

AS

select LastName,

FirstName,

COALESCE ( MobilePhone, HomePhone) as 'Phone Number'

FROM customers

order by LastName, FirstName;

***CLIENT INPUT***

The client forgot to tell us (and we forgot to ask!) that they’d like to have a way to see the actual state name along with the customer name when using the view which shows the customers’ states.

**Step 9:**

* Place a join on the two tables, Customers and USStates. (Note: The names of the columns do NOT need to be the same; only the type of data.)
* Modify the view from Step 7. (Remember, we can't use an order by in a view as that is left to the person using the view.) The client is aware of this and wants it to remain a view. We can always make a stored procedure later, if necessary.

CREATE VIEW V\_WestCoastCustomers

AS

-- only lists customers in Washington, Oregon, or California

select C.CustID, C.FirstName,C. LastName,

C.Address, C.City, U.Name,C. USZipCode,

C.HomePhone, C.MobilePhone

from customers as C

inner join USstates as U

on C.State = U.Code

WHERE C.state IN ('CA','OR','WA');

* Test the newly created view. (Notice that order by works fine on the view. We just can't make a view by default.)

SELECT \* FROM V\_WestCoastCustomers;

***CLIENT INPUT***

The client now states they would like to have a stored procedure for adding a new customer.

**Step 10:**

* Create a stored procedure for adding a new customer.
* Test the newly created stored procedure to ensure it does add a customer correctly
* Verify the stored procedure worked.

CREATE PROC SP\_AddNewCustomer

@FirstName nvarchar(255), @lastName nvarchar(255),

@Address nvarchar(255), @City nvarchar(255), @State nchar(2),

@USZipCode nvarchar(5), @HomePhone nchar(14) = NULL,

@MobilePhone nchar(14) = NULL --Phone numbers optional

AS

SET NOCOUNT ON; -- wont return a count of records

INSERT INTO Customers ( FirstName, LastName, Address, City,State,USZipCode,

HomePhone,MobilePhone)

Values( @FirstName, @LastName, @Address, @City, @State, @USZipCode,

@HomePhone,@MobilePhone);

**Step 11:**

Since we’ve been making a lot of changes, back up the database again, and give it a different name.

***CLIENT INPUT***

The client has been thinking about this, and they would like a way to know if a customer has been added. Additionally, they’d like a log of this action. We can accomplish this with an INSERT trigger on the customers table and an audit log table added to the database.

**Step 12:**

* Make an audit table for this task. Required information is listed below.
  + the table affected
  + what was done
  + who did it
  + the date it was done in both UTC and local time
  + the name of the database affected

CREATE TABLE AuditLog

(

TableName nvarchar(25) NOT NULL,

WhatWasDone nvarchar(255) NOT NULL,

UserName sysname NOT NULL DEFAULT (SUSER\_NAME()),

LocalTime DATETIME NOT NULL DEFAULT (GETDATE()),

UTCTime DATETIME NOT NULL DEFAULT (GETUTCDATE()),

);

* Test the INSERT for the table. You should see a row has been added with the information we required.
* Make that trigger.

CREATE TRIGGER TR\_CustomersInsert

ON Customers

AFTER INSERT

AS

DECLARE @CustomerName nvarchar(255);

set @CustomerName = ( SELECT FirstName + ' ' + LastName AS Customer

FROM inserted);

INSERT INTO AuditLog (TableName,WhatWasDone) values ( 'Customers', CONCAT('Inserted:',' ',@CustomerName));

* Run the stored procedure from earlier. You should see 2 "1 row affected" messages in the messages window
* Verify that the trigger wrote the proper information to the AuditLog table
* You should see at least one row containing the information needed. Verify spelling is correct on the values we put in ourselves.

***CLIENT INPUT***

While the client has not told us they have any issues with speed, we would like to take some proactive action against slow downs by adding an index. We know from our test data they search for customers by last name and that when doing so, they are asking for both the first name and address in addition to the last name. We should make a non-clustered, covering index to speed up the look up of that information.

**Step 13:**

* Create the index on the customers table on the appropriate column(s) and with the appropriate additional covering column(s).

use WidgetWonders;

go

CREATE NONCLUSTERED INDEX IDX\_Last\_FirstNameAddress

ON Customers

(

LastName asc

)

include

(

FirstName,

[Address]

)

* Test that the index we created is being used by SQL Server to answer the query for LastName only and for LastName with FirstName and Address.

**Step 14:**

* It is always a good idea to backup the database after making schema changes.
* Give it a different name as well, so we don't erase the previous backups.

***CLIENT INPUT***

We have been asked to make a proof of concept to show the client how a transaction works, so they can start implementing their front end UI for shopping carts or something similar. They are concerned that the request for the shipper to ship the product and the registering of a purchase will get out of sync somehow. We can make a transaction that writes to two different tables to show them this process will work reliably and give their programmers a way to clearly see how this is accomplished.

As this is not a production-ready solution and just a proof of concept, we don't need nearly as much set- up work as we would normally. We will need the following:

* A stored procedure to contain the code which executes the transaction
* Two tables which will be written to within the transaction
* The two tables will store the time and date of the operation
* The two tables will have primary keys
* The two tables will store a string passed into the stored procedure via parameter
* A random fail condition of 25% chance to simulate something requiring a rollback
* An error should be thrown if the transaction fails

**Step 15:**

* Create the tables.

CREATE TABLE TestOrders

(

ID INT NOT NULL IDENTITY(1,1)

CONSTRAINT PK\_TestOrders Primary Key,

Item nvarchar(255) NOT Null,

TransactionDate DATE NOT Null DEFAULT( GETUTCDATE()),

)

CREATE TABLE TestShipping

(

ID INT NOT NULL IDENTITY(1,1)

CONSTRAINT PK\_TestShipping Primary Key,

Item nvarchar(255) NOT Null,

TransactionDate DATE NOT Null DEFAULT( GETUTCDATE()),

)

* Create the testing stored procedure.

CREATE PROC SP\_TransactionTest

@OrderedItem nvarchar(255)

AS

BEGIN TRY

BEGIN TRANSACTION

INSERT INTO TestOrders (Item,TransactionDate) VALUES (@OrderedItem, GETUTCDATE());

INSERT INTO TestOrders (Item,TransactionDate) VALUES (@OrderedItem,GETUTCDATE());

IF (CONVERT(INT,(100+1)\*RAND())) > 75

Begin

Print(N'Error in Shipping');

--RAISEERROR (N'Simulated Shipping Error',11,1);

THROW 50001,'Simulated Shipping Error',0;

END

Commit --Commit transaction

END TRY

BEGIN CATCH

ROLLBACK

PRINT N'Error occured Transaction rolled back';

END CATCH;

* Test the newly created schema to make sure it works properly.

exec SP\_TransactionTest @ordereditem = 'Anvil 25' ;

**Step 16 (Final Wrap Up):**

* Back up your work and make sure to use your final name for the capstone.

BACKUP DATABASE SqlCapstoneProject

TO DISK = 'C:\SQL\_Backups\SqlCapstoneProject.Bak'

WITH FORMAT,

MEDIANAME = 'C\_SQL\_Backups',

NAME = 'Full Backup of SqlCapstoneProject';

GO

* Submit the backup to the instructor by 9PM on the last day of class.

Congratulations! You have finished. The instructor will notify you within one week whether or not you have satisfied the customer’s requirements.

APPENDIX

**Insert State Data**

INSERT INTO USStates ( code, name )

VALUES

('DC','District of Columbia'), --Not technically a state!

('AL','Alabama'),

('AK','Alaska'),

('AZ','Arizona'),

('AR','Arkansas'),

('CA','California'),

('CO','Colorado'),

('CT','Connecticut'),

('DE','Delaware'),

('FL','Florida'),

('GA','Georgia'),

('HI','Hawaii'),

('ID','Idaho'),

('IL','Illinois'),

('IN','Indiana'),

('IA','Iowa'),

('KS','Kansas'),

('KY','Kentucky'),

('LA','Louisiana'),

('ME','Maine'),

('MD','Maryland'),

('MA','Massachusetts'),

('MI','Michigan'),

('MN','Minnesota'),

('MS','Mississippi'),

('MO','Missouri'),

('MT','Montana'),

('NE','Nebraska'),

('NV','Nevada'),

('NH','New Hampshire'),

('NJ','New Jersey'),

('NM','New Mexico'),

('NY','New York'),

('NC','North Carolina'),

('ND','North Dakota'),

('OH','Ohio'),

('OK','Oklahoma'),

('OR','Oregon'),

('PA','Pennsylvania'),

('RI','Rhode Island'),

('SC','South Carolina'),

('SD','South Dakota'),

('TN','Tennessee'),

('TX','Texas'),

('UT','Utah'),

('VT','Vermont'),

('VA','Virginia'),

('WA','Washington'),

('WV','West Virginia'),

('WI','Wisconsin'),

('WY','Wyoming');

Insert initial customers

INSERT INTO Customers([FirstName],[LastName],[Address],[City],[State],[USZipCode],[HomePhone],[MobilePhone]) VALUES('Sylvester','Boyle','P.O. Box 826, 8824 Rhoncus. Road','Las Vegas','NV','13913','(424) 329-6428','(608) 558-8341'),('Desiree','Cline','2609 Ullamcorper Rd.','Pike Creek','DE','63756','(224) 502-3453','(144) 249-9672'),('Harding','Chen','P.O. Box 511, 2501 Libero Rd.','Bozeman','MT','26665','(760) 124-7804','(839) 599-4368'),('Kennan','Huber','836-4665 Molestie. Avenue','Burlington','VT','93139','(310) 979-7644','(640) 442-5165'),('Jayme','Mitchell','P.O. Box 750, 3673 Ornare, Rd.','Fairbanks','AK','99823','(729) 558-7997','(937) 667-7143'),('Remedios','Cook','Ap #287-5133 Pellentesque. Rd.','Henderson','NV','23374','(917) 528-2935','(114) 741-3753'),('Angelica','Stein','534-3295 Velit St.','Fort Wayne','IN','99713','(307) 508-0046','(574) 729-1793'),('Avye','Byrd','P.O. Box 280, 8374 Ac Rd.','Kansas City','KS','90215','(514) 411-8289','(171) 548-3148'),('Addison','Curry','6360 Pede. St.','Lewiston','ME','14145','(330) 357-3037','(673) 528-4747'),('Emerald','Sutton','5002 Aliquam, Avenue','Cleveland','OH','81603','(736) 178-0496','(456) 318-7363'),('Murphy','Kemp','Ap #736-421 Eu St.','Lafayette','LA','31310','(827) 380-3382','(567) 114-0374'),('Wang','Randall','Ap #593-9500 Et, St.','Reading','PA','44371','(727) 242-5776','(455) 649-8603'),('Plato','Hurley','1930 Curae; Road','Idaho Falls','ID','19342','(733) 121-8318','(107) 524-6799'),('Raymond','Albert','5516 Magna. Rd.','Olympia','WA','32086','(886) 814-3647','(756) 249-7879'),('Remedios','Eaton','P.O. Box 995, 1876 Ultrices Road','Georgia','GA','77607','(603) 719-6839','(133) 878-3525'),('Ahmed','Parsons','P.O. Box 988, 1122 Malesuada Rd.','Jacksonville','FL','26670','(630) 205-5245','(579) 172-5573'),('Arden','Harrison','8215 Morbi Street','Augusta','ME','59992','(919) 580-5150','(218) 104-0878'),('Alexander','Hebert','Ap #798-6431 Mollis St.','Knoxville','TN','64390','(831) 101-6971','(292) 491-1575'),('Daryl','Nielsen','7196 Suspendisse St.','Iowa City','IA','84431','(498) 294-4532','(535) 646-9570'),('Kirby','Singleton','Ap #749-4632 Ligula. Av.','Chandler','AZ','86430','(588) 270-4904','(123) 663-6184'),('Mufutau','Rice','P.O. Box 312, 5188 Rhoncus. Rd.','Topeka','KS','47252','(151) 531-4776','(711) 207-2628'),('Tashya','Powers','P.O. Box 493, 5020 Suspendisse St.','Overland Park','KS','37211','(810) 757-5115','(830) 575-3570'),('Mohammad','Moon','835-823 Ridiculus Avenue','Springfield','IL','76584','(684) 349-5654','(505) 741-8774'),('Hannah','Lester','P.O. Box 565, 307 Magna. Rd.','Olathe','KS','87257','(313) 315-3477','(171) 894-7774'),('Thane','Newton','P.O. Box 616, 7001 Arcu. St.','Laramie','WY','13419','(559) 221-5149','(598) 495-1010'),('Tucker','Atkins','Ap #137-4729 Facilisis, St.','Anchorage','AK','99795','(645) 511-0703','(884) 545-9971'),('Igor','Little','Ap #127-6311 Id, Ave','New Orleans','LA','27673','(318) 534-4305','(828) 361-9673'),('Addison','Avila','P.O. Box 145, 2894 Sed Avenue','Colorado Springs','CO','55219','(432) 446-6567','(617) 803-6539'),('Jenna','Williams','Ap #545-4241 Mauris Road','Juneau','AK','99574','(571) 579-6608','(234) 309-1774'),('Lareina','Robbins','533-921 Egestas Av.','Clarksville','TN','71632','(178) 224-4735','(878) 485-3601'),('Cathleen','Hooper','8699 Cras St.','Newark','DE','67867','(337) 180-3747','(765) 935-8600'),('Nadine','Waller','Ap #698-5143 Ut Ave','Iowa City','IA','36180','(567) 491-8137','(896) 754-6729'),('Hilda','Luna','Ap #439-385 Dolor Street','South Bend','IN','71261','(480) 180-7498','(939) 217-2236'),('Walter','Hubbard','3587 Maecenas Avenue','Billings','MT','56765','(755) 754-0054','(996) 514-3648'),('Macaulay','Gould','Ap #576-5614 Sodales Street','South Burlington','VT','58196','(660) 948-6188','(383) 727-5948'),('Quamar','Mccarty','Ap #756-3813 Elit, Rd.','Kenosha','WI','20955','(697) 445-2135','(664) 173-0748'),('Octavius','Hancock','6666 Aliquam St.','Richmond','VA','87633','(541) 476-1153','(508) 748-9152'),('Idola','Ramsey','P.O. Box 996, 7297 Facilisis St.','Glendale','AZ','85046','(445) 376-5128','(926) 428-4296'),('Paki','Guerrero','7353 Diam Road','San Diego','CA','95999','(643) 618-6246','(187) 143-6484'),('Hadassah','Bowers','457-4578 Tempor Rd.','Billings','MT','81468','(593) 765-5470','(889) 634-4381'),('Dominique','Crawford','Ap #102-7125 Sed St.','Columbia','MD','87312','(687) 479-2086','(881) 556-0544'),('Chanda','Ortega','411-9347 Lorem Rd.','Overland Park','KS','30441','(516) 801-5987','(127) 690-4680'),('Maggie','Landry','Ap #487-917 Tincidunt Rd.','Fort Wayne','IN','94003','(606) 620-5664','(171) 361-6529'),('Carter','Yates','640-6851 Scelerisque Rd.','Columbia','MO','98278','(934) 722-3207','(822) 317-7758'),('Shafira','Mclaughlin','150-1550 Aliquam Avenue','Harrisburg','PA','36259','(659) 567-5873','(322) 754-4680'),('Brady','Travis','P.O. Box 575, 2410 Odio Street','Chicago','IL','50056','(142) 735-2177','(597) 695-2336'),('Nathan','Howard','4588 Sit Ave','San Antonio','TX','15396','(877) 889-3871','(823) 809-9334'),('Nomlanga','Harris','Ap #979-8542 Aliquet, Av.','Cincinnati','OH','85686','(585) 909-0276','(234) 887-6774'),('Maryam','Mcbride','P.O. Box 662, 3459 Pede. Ave','Des Moines','IA','95558','(431) 353-6230','(752) 464-6721'),('Zahir','Pruitt','Ap #357-5659 Proin Avenue','Missoula','MT','78994','(852) 912-5202','(376) 925-5064'),('Erica','Rosales','646-3039 Mauris Av.','Great Falls','MT','64777','(850) 351-2284','(553) 182-7328'),('Neve','Mcneil','P.O. Box 301, 3202 Mattis Street','Aurora','CO','52955','(727) 993-9919','(412) 466-2457'),('Donna','Hartman','P.O. Box 670, 6422 Adipiscing Av.','Sandy','UT','73244','(169) 198-1246','(675) 606-1894'),('Ferris','Mccoy','Ap #235-2509 Praesent St.','Colchester','VT','80694','(434) 605-8591','(563) 365-0545'),('Justine','Clarke','176-7106 Commodo Road','Bangor','ME','29553','(745) 265-5318','(519) 834-7229'),('Liberty','Woodard','Ap #226-1210 Donec Road','Auburn','ME','36316','(376) 697-0561','(624) 995-8348'),('Maite','Goff','P.O. Box 376, 368 Tortor. Road','Norfolk','VA','12978','(400) 559-5058','(559) 491-8423'),('Ashely','Wright','P.O. Box 136, 7485 Tincidunt Road','Hartford','CT','61545','(114) 886-8830','(943) 536-9842'),('Lev','Rodriguez','Ap #730-1832 Aliquam Rd.','Knoxville','TN','95731','(339) 290-6097','(493) 405-3472'),('TaShya','Tran','P.O. Box 333, 8753 Nec, St.','Rockville','MD','61657','(806) 336-8799','(159) 621-3521'),('Levi','Oconnor','Ap #261-3663 Neque St.','Columbia','MO','28843','(974) 626-3805','(914) 659-7930'),('Ruth','Gross','671-9995 Convallis St.','Frankfort','KY','30745','(375) 728-3568','(671) 158-8790'),('Rana','Le','737-7929 Magna Av.','Rockford','IL','62420','(322) 131-4169','(676) 566-1677'),('Dennis','Baxter','986-4782 Imperdiet Road','Olympia','WA','88150','(792) 955-9334','(365) 208-4028'),('Ulysses','Contreras','3062 Libero. Ave','Augusta','ME','16661','(771) 984-5899','(347) 505-3221'),('Odysseus','Cochran','Ap #737-9284 Ac Av.','Miami','FL','83567','(386) 867-0828','(158) 564-2133'),('Brody','Giles','Ap #401-2375 Magna. Rd.','Bridgeport','CT','48801','(898) 140-0572','(680) 203-7867'),('Claire','Brown','Ap #558-464 Sit Street','Orlando','FL','35508','(424) 836-5447','(587) 423-1459'),('Jared','Ramsey','885-8947 Quisque Ave','Norman','OK','14620','(395) 348-3243','(863) 897-1442'),('Philip','Dodson','678-7508 Et, St.','Hilo','HI','48517','(123) 336-2741','(706) 240-8338'),('Erica','Hunter','P.O. Box 370, 9917 Mattis Street','Milwaukee','WI','19044','(771) 175-0524','(410) 128-5055'),('Kimberley','Jensen','Ap #805-7342 Magna, Rd.','Chattanooga','TN','81160','(869) 557-0560','(550) 398-5680'),('Leo','Whitaker','Ap #253-5793 Nisl Street','Tampa','FL','96632','(234) 634-6051','(656) 694-3705'),('Yen','Moran','185-5894 In St.','Juneau','AK','99568','(742) 430-8175','(577) 293-1345'),('Igor','Noble','P.O. Box 350, 6549 Dolor Rd.','Omaha','NE','52174','(630) 539-1047','(663) 317-6369'),('Shelly','Lang','5763 Dui Rd.','Savannah','GA','15658','(247) 134-9970','(836) 830-6018'),('Ivory','Hahn','384-6861 Enim Av.','Montgomery','AL','36256','(846) 918-2394','(655) 673-4158'),('Donovan','Brady','418-5134 Vehicula Ave','Lafayette','LA','54295','(389) 217-9189','(592) 668-1182'),('Knox','Compton','Ap #207-9529 Dui. Avenue','Olathe','KS','42614','(436) 897-2588','(152) 500-0842'),('Hall','Wilkins','505-7521 Arcu Ave','Gaithersburg','MD','48120','(596) 549-5483','(514) 658-3658'),('Jonah','Wilson','Ap #180-4218 Euismod Road','Montpelier','VT','84342','(237) 269-0615','(454) 485-7595'),('Paki','Barlow','Ap #359-108 Tincidunt Avenue','Baton Rouge','LA','95693','(479) 367-1647','(189) 106-2833'),('Melinda','Gonzalez','Ap #534-2233 Amet Rd.','Madison','WI','24201','(255) 178-9132','(526) 333-9302'),('Ferris','Hendrix','Ap #714-1825 Sed Av.','San Francisco','CA','95567','(623) 851-2283','(107) 534-9008'),('Imani','Klein','298-3789 Blandit Ave','Wilmington','DE','78181','(867) 716-8834','(920) 861-5977'),('Brooke','Gordon','Ap #226-4271 Imperdiet Avenue','Nampa','ID','22138','(638) 684-4802','(696) 190-0324'),('Kiayada','Mueller','Ap #582-6309 Donec Av.','Rutland','VT','34385','(591) 710-7704','(685) 508-4903'),('Nicole','Howe','2300 Imperdiet Rd.','Knoxville','TN','73131','(176) 758-3258','(775) 820-1363'),('Benedict','Hammond','Ap #934-7146 Dis Road','Glendale','AZ','86605','(503) 416-6442','(872) 441-5119'),('Branden','Estes','Ap #521-4554 Pede St.','Glendale','AZ','85429','(509) 904-5270','(435) 953-6739'),('Lucy','Singleton','Ap #266-8954 Eget St.','Austin','TX','66863','(104) 822-5549','(237) 203-4798'),('Lila','Walton','804-7532 Euismod Avenue','Harrisburg','PA','13756','(473) 769-9417','(482) 655-3467'),('Gil','Soto','548-1865 Tortor. St.','Sandy','UT','33749','(941) 382-9080','(342) 268-1243'),('Aretha','Newman','789-666 Nostra, St.','Chandler','AZ','86518','(219) 139-9901','(907) 423-8624'),('Forrest','Ashley','4055 Vel Ave','Juneau','AK','99672','(696) 383-6378','(236) 553-9232'),('Clayton','Sherman','Ap #462-9378 Bibendum Rd.','Broken Arrow','OK','67049','(941) 331-0390','(473) 243-9388'),('Valentine','Parrish','125 Aliquam St.','Burlington','VT','73757','(649) 439-7254','(307) 636-3751'),('Melinda','Cameron','4013 Mauris Road','Paradise','NV','93011','(343) 293-9114','(158) 125-9283'),('Stewart','Webb','Ap #813-3694 Consequat St.','West Jordan','UT','89712','(754) 358-5789','(735) 675-9380'),('Addison','Kemp','3276 Donec Av.','Green Bay','WI','59169','(381) 522-8773','(721) 123-6393');