**Data Cleaning**

1. Capital Bikeshare: W., C. (2016). Exploratory Data Analysis of Capital Bikeshare. Retrieved October 5, 2016, from <https://s3.amazonaws.com/capitalbikeshare-data/index.html>.

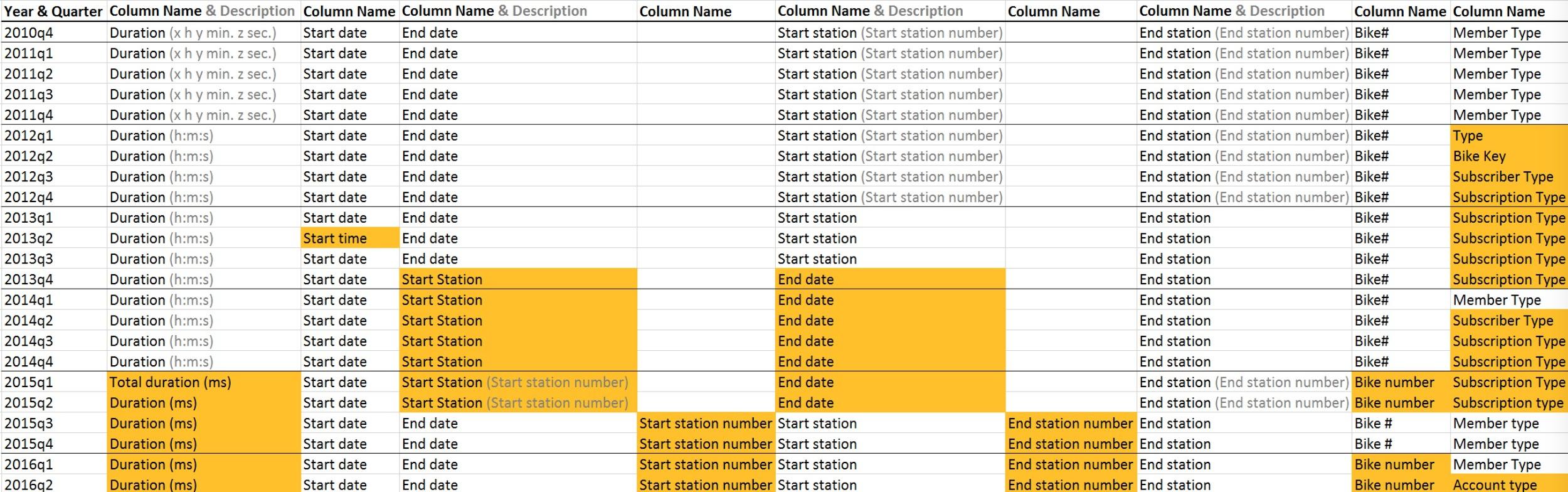
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URL: <https://www.capitalbikeshare.com/terms-of-use#Proprietary>.

These datasets were provided by Capital Bikeshare, which contain bike-ride details for the period of 2010 to 2016. In total, there are seven columns including the information of start date with time, end date with time, start station, end station, bike ID, etc., and with about 15,000,000 rows of data.

Most of the columns in the data are easy to understand with clear column names. The “Station Map” site provides clear information about the columns of “Start\_station”, “End\_station”, “Start\_station\_num”, and “End\_station\_num”. According to the “FAQs” and “How It Works” sites, we also got more insights about the “Member\_Type” column: “Registered” refers to those registered members, especially those people who rent the bikes frequently; “Casual” refers to those random users, such as visitors.

The datasets contain several formatting issues (see the screenshot below):



At the beginning, we summarized all the column names and formats from each dataset. Then, we marked those yellow columns that are the ones need to be cleaned, initially. The main issues in this datasets are: 1. The “Duration” columns have several formats among different years, even in a year but different quarters; 2. Start/end date and time are all stored in the “Start/End date” columns; 3. Some of the files are missing station number. Also, in some of the files, the “Start/End station number” are involved in the “Start/End station” and surrounded by brackets.

During the data cleaning, we unified the “Duration” format as “x h. y min. z sec.” and added a new “Duration\_s” column to store duration in seconds; added “Start/End time” columns to store the start time in “Start/End date” columns; separated “Start/End station” into “Start/End station” columns. After the data cleaning, there are in total of 13 columns. In order to be more efficient, we omitted all the column names during the data cleaning, and start to read the data from row 2. In addition, we attached all SQL scripts in the appendix from Page 7.

There are about 114 records that only have start station but do not have records for end station. Since we have about 15 million data, it does not have a significant effect if we drop those 114 records. Therefore, we use the following SQL scrip to drop those data: DELETE FROM bikeshare WHERE bikeshare.end\_staton=””.

To further merging Capital Bikeshare dataset and station dataset, we found there are about 217 stations’ name cannot be directly found in the station dataset and need to be cleaned. Specifically, there are 147 stations’ name including both station name and station ID in the station field. Therefore, we separated station name and station ID by using SQL. In the other, there are 61 stations that have multiple different names in the Capital Bikeshare dataset but they do represent the same station. Therefore, we unified those different station names. In addition, there are 11 stations’ name that have a space in the end of their stations’ name and cannot be found in the station dataset because of that space. Therefore, we deleted that space by using SQL. All the SQL script could be found in the Appendix from Page 25.

1. Holiday Schedule: Holiday Schedules | dchr (A. Parihar, Trans.). (n.d.). Retrieved October 07, 2016, from <http://dchr.dc.gov/page/holiday-schedules>.
2. This dataset was created by us from the holiday list published on dc.gov and is subject to [Creative Commons CC0 1.0 Universal](http://creativecommons.org/publicdomain/zero/1.0/legalcode) license terms and conditions. The CC0 license provides following rights:
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It is a minimalistic data set that contains details like date and event/holiday name for the years 2010 through 2016. As we created this data set from the available source, it is as per our need. hence data cleaning is not required here.

1. Station Details: Live XML - feeds.capitalbikeshare.com (Y. Liu, Trans.). (n.d.). Retrieved October 28, 2016, from <https://feeds.capitalbikeshare.com/stations/stations.xml>
   1. License and Terms of use are same as of 1st dataset since they originate from same source and falls under similar terms of use.

[This data](https://feeds.capitalbikeshare.com/stations/stations.xml)set was provided by Capital Bikeshare Company and contains detail information about 408 stations, which includes station ID, terminal number, longitude, latitude, the number of bikes, the number of empty docks and etc. In total, there are 15 fields before cleaning. Most fields are very straightforward and easy to understand. Meanwhile, the “how it works” guide provided by official website is very helpful to let us understand the meaning of certain fields, like docks. The dataset is very organized but does have missing values for certain fields, like removal date. We remove these fields, since these two fields are missing for all station records.

For the basic step-by-step description for cleaning process, we only use Excel to transform the format of this dataset from XML file to CSV format and remove those unnecessary fields based on the following reasons: the values for certain fields are extremely identical and do not have any valuable information, like the values for “public”, “temporary”, “installed”, “instalDate” and “locked”; certain fields are not relative to our research questions, like “latestUpdateTime” and “lastCommWithServer”. Therefore, we only keep 7 fields for this dataset: id, name, terminalName, lat, long, nbBikes and nbEmpltyDocks.

1. Weather History:

2010: Weather UnderGround. Weather History for Washington, DC | Weather Underground. Retrieved October 9, 2016, from <https://www.wunderground.com/history/airport/KDCA/2010/10/1/CustomHistory.html?dayend=31&monthend=12&yearend=2010&req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=&format=1>

2011: Weather UnderGround. Weather History for Washington, DC | Weather Underground. Retrieved October 9, 2016, from <https://www.wunderground.com/history/airport/KDCA/2011/1/1/CustomHistory.html?dayend=31&monthend=12&yearend=2011&req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=&format=1>

2012: Weather UnderGround. Weather History for Washington, DC | Weather Underground. Retrieved October 9, 2016, from <https://www.wunderground.com/history/airport/KDCA/2012/1/1/CustomHistory.html?dayend=31&monthend=12&yearend=2012&req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=&format=1>

2013: Weather UnderGround. Weather History for Washington, DC | Weather Underground. Retrieved October 9, 2016, from <https://www.wunderground.com/history/airport/KDCA/2013/1/1/CustomHistory.html?dayend=31&monthend=12&yearend=2013&req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=&format=1>

2014: Weather UnderGround. Weather History for Washington, DC | Weather Underground. Retrieved October 9, 2016, from <https://www.wunderground.com/history/airport/KDCA/2014/1/1/CustomHistory.html?dayend=31&monthend=12&yearend=2014&req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=&format=1>

2015: Weather UnderGround. Weather History for Washington, DC | Weather Underground. Retrieved October 9, 2016, from <https://www.wunderground.com/history/airport/KDCA/2015/1/1/CustomHistory.html?dayend=31&monthend=12&yearend=2015&req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=&format=1>

2016: Weather UnderGround. Weather History for Washington, DC | Weather Underground. Retrieved October 9, 2016, from <https://www.wunderground.com/history/airport/KDCA/2016/1/1/CustomHistory.html?dayend=30&monthend=6&yearend=2016&req_city=&req_state=&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=&format=1>

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URL: <https://www.wunderground.com/legal>

These datasets were provided by Weather Underground, which contain the weather conditions in Washington D.C. area from Oct 1, 2010 to Jun 30, 2016 duration (in total of 2100 rows). In details, there are columns about date (EST), temperature, dew point, humidity, sea level pressure, visibility, wind speed, gust speed, precipitation, cloud cover, events, and wind direction in degrees (WindDirDegrees).

There are 23 columns in total before the data cleaning. Most of the columns are easy to understand and we Googled some of the professional terms such as “dew point” and wind “direction in degrees (WindDirDegrees)”.

The data are all clean without any missing values. The original data is in .txt format (comma delimited) and we exported it to Excel. After careful consideration, the most critical factors that would impact the bike-share data would be temperature, visibility, wind speed, and events. Therefore, we keep those related columns as our main focus of analysis (in total of 5 columns) and deleted unnecessary columns with Excel.

Word Count: 1309

**Appendix**

Below are the scripts divided by year:

2010 Q4

**CREATE** **TABLE** #data\_loading\_2010**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

End\_date **datetime** **,**

Start\_station **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**DECLARE** @**SQL** **VARCHAR(MAX);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2010 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2010-Q4-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**CREATE** **TABLE** #data\_format\_2010**(**

Duration **varchar(**100**)** **,**

Duration\_s **bigint,**

Start\_date **datetime** **,**

Start\_day **date,**

Start\_time **time,**

End\_date **datetime,**

End\_day **date,**

End\_time **time,**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**100**)** **,**

End\_station **varchar(**1000**)** **,**

end\_station\_num **varchar(**100**),**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**INSERT** **INTO** #data\_format\_2010

**SELECT** Duration**,**

**convert(int,substring(**Duration**,**1**,** **Charindex(**'h'**,**Duration**)**-1**))\***60**\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'h'**,**Duration**)**+2 **,** **(Charindex(**'min.'**,**Duration**)-Charindex(**'h'**,**Duration**))**-2**))** **\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'min.'**,**Duration**)**+5 **,(Charindex(**'sec.'**,**Duration**)-Charindex(**'min.'**,**Duration**))**-5**))** **AS** Duration\_ms**,**

Start\_date**,**

**CONVERT(date,** Start\_date**)** **AS** Start\_day**,**

**CONVERT(time,** Start\_date**)** **AS** Start\_time**,**

End\_date**,**

**CONVERT(date,** End\_date**)** **AS** End\_day**,**

**CONVERT(time,** End\_date**)** **AS** End\_time**,**

Start\_station**,**

**substring(**Start\_station**,** **Charindex(**'('**,**Start\_station**)**+1 **,** **(Charindex(**')'**,**Start\_station**)-Charindex(**'('**,**Start\_station**))**-1**),**

End\_station**,**

**substring(**End\_station**,** **Charindex(**'('**,**End\_station**)**+1 **,** **(Charindex(**')'**,**End\_station**)-Charindex(**'('**,**End\_station**))**-1**),**

Bike\_num**,**

Member\_Type

**FROM** #data\_loading\_2010

**CREATE** **TABLE** ##output\_2010**(**

row\_id **INT** **IDENTITY(**1**,**1**)** **PRIMARY** **KEY,**

Duration **varchar(**1000**)** **,**

Duration\_s **varchar(**300**),**

Start\_date **varchar(**3000**),**

Start\_day **varchar(**3000**),**

Start\_time **varchar(**3000**),**

End\_date **varchar(**3000**),**

End\_day **varchar(**3000**),**

End\_time **varchar(**3000**),**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**),**

Bike\_num **varchar(**1000**)** **,**

Member\_Type **varchar(**1000**)**

**);**

**INSERT** **INTO** ##output\_2010 **VALUES** **(**'Duration'**,**'Duration\_s'**,**'Start\_date'**,**'Start\_day'**,**'Start\_time'**,**'End\_date'**,**'End\_day'**,**'End\_time'**,**'Start\_station'**,**'Start\_station\_num'**,**'End\_station'**,**'End\_station\_num'**,**'Bike\_num'**,**'Member\_Type'**);**

**INSERT** **INTO** ##output\_2010

**SELECT** **\*** **FROM** #data\_format\_2010**;**

**DECLARE** @baseDirectory **AS** **VARCHAR(max);**

**SET** @baseDirectory **=**'C:\Users\mchin\Desktop\Data\_Clean'

**declare** @vme\_output **varchar(**300**);** **set** @vme\_output **=** '##output\_2010'

**SET** @**sql** **=** 'Exec master..xp\_cmdshell ''BCP "select Duration,Duration\_s,Start\_date,Start\_day,Start\_time,End\_date,End\_day,End\_time,Start\_station,Start\_station\_num,End\_station,End\_station\_num,Bike\_num,Member\_Type from tempdb.dbo.'**+**@vme\_output**+**' where Duration is not null order by row\_id " queryout "'

**+** @baseDirectory **+**

'\2010\_output.txt' **+**

'" -c -T -S ' **+** @@SERVERNAME **+** ''''**;**

PRINT @**sql;**

**EXEC(**@**sql);**

**drop** **table** ##output\_2010

**drop** **table** #data\_format\_2010

**drop** **table** #data\_loading\_2010

2011 Q1-Q4

**CREATE** **TABLE** #data\_loading\_2011**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

End\_date **datetime** **,**

Start\_station **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**DECLARE** @**SQL** **VARCHAR(MAX);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2011 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2011-Q1-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2011 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2011-Q2-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2011 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2011-Q3-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2011 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2011-Q4-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**CREATE** **TABLE** #data\_format\_2011**(**

Duration **varchar(**100**)** **,**

Duration\_s **bigint,**

Start\_date **datetime** **,**

Start\_day **date,**

Start\_time **time,**

End\_date **datetime,**

End\_day **date,**

End\_time **time,**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**100**)** **,**

End\_station **varchar(**1000**)** **,**

end\_station\_num **varchar(**100**),**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**INSERT** **INTO** #data\_format\_2011

**SELECT** Duration**,**

**convert(int,substring(**Duration**,**1**,** **Charindex(**'h'**,**Duration**)**-1**))\***60**\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'h'**,**Duration**)**+2 **,** **(Charindex(**'min.'**,**Duration**)-Charindex(**'h'**,**Duration**))**-2**))** **\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'min.'**,**Duration**)**+5 **,(Charindex(**'sec.'**,**Duration**)-Charindex(**'min.'**,**Duration**))**-5**))** **AS** Duration\_ms**,**

Start\_date**,**

**CONVERT(date,** Start\_date**)** **AS** Start\_day**,**

**CONVERT(time,** Start\_date**)** **AS** Start\_time**,**

End\_date**,**

**CONVERT(date,** End\_date**)** **AS** End\_day**,**

**CONVERT(time,** End\_date**)** **AS** End\_time**,**

Start\_station**,**

**substring(**Start\_station**,** **Charindex(**'('**,**Start\_station**)**+1 **,** **(Charindex(**')'**,**Start\_station**)-Charindex(**'('**,**Start\_station**))**-1**),**

End\_station**,**

**substring(**End\_station**,** **Charindex(**'('**,**End\_station**)**+1 **,** **(Charindex(**')'**,**End\_station**)-Charindex(**'('**,**End\_station**))**-1**),**

Bike\_num**,**

Member\_Type

**FROM** #data\_loading\_2011

**CREATE** **TABLE** ##output\_2011**(**

row\_id **INT** **IDENTITY(**1**,**1**)** **PRIMARY** **KEY,**

Duration **varchar(**1000**)** **,**

Duration\_s **varchar(**300**),**

Start\_date **varchar(**3000**),**

Start\_day **varchar(**3000**),**

Start\_time **varchar(**3000**),**

End\_date **varchar(**3000**),**

End\_day **varchar(**3000**),**

End\_time **varchar(**3000**),**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**),**

Bike\_num **varchar(**1000**)** **,**

Member\_Type **varchar(**1000**)**

**);**

**INSERT** **INTO** ##output\_2011 **VALUES** **(**'Duration'**,**'Duration\_s'**,**'Start\_date'**,**'Start\_day'**,**'Start\_time'**,**'End\_date'**,**'End\_day'**,**'End\_time'**,**'Start\_station'**,**'Start\_station\_num'**,**'End\_station'**,**'End\_station\_num'**,**'Bike\_num'**,**'Member\_Type'**);**

**INSERT** **INTO** ##output\_2011

**SELECT** **\*** **FROM** #data\_format\_2011**;**

**DECLARE** @baseDirectory **AS** **VARCHAR(max);**

**SET** @baseDirectory **=**'C:\Users\mchin\Desktop\Data\_Clean'

**declare** @vme\_output **varchar(**300**);** **set** @vme\_output **=** '##output\_2011'

**SET** @**sql** **=** 'Exec master..xp\_cmdshell ''BCP "select Duration,Duration\_s,Start\_date,Start\_day,Start\_time,End\_date,End\_day,End\_time,Start\_station,Start\_station\_num,End\_station,End\_station\_num,Bike\_num,Member\_Type from tempdb.dbo.'**+**@vme\_output**+**' where Duration is not null order by row\_id " queryout "'

**+** @baseDirectory **+**

'\2011\_output.txt' **+**

'" -c -T -S ' **+** @@SERVERNAME **+** ''''**;**

PRINT @**sql;**

**EXEC(**@**sql);**

**drop** **table** ##output\_2011

**drop** **table** #data\_format\_2011

**drop** **table** #data\_loading\_2011

2012 Q1-Q4

**CREATE** **TABLE** #data\_loading\_2012**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

End\_date **datetime** **,**

Start\_station **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**DECLARE** @**SQL** **VARCHAR(MAX);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2012 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2012-Q1-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2012 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2012-Q2-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2012 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2012-Q3-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2012 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2012-Q4-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**CREATE** **TABLE** #data\_format\_2012**(**

Duration **varchar(**100**)** **,**

Duration\_s **bigint,**

Start\_date **datetime** **,**

Start\_day **date,**

Start\_time **time,**

End\_date **datetime,**

End\_day **date,**

End\_time **time,**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**100**)** **,**

End\_station **varchar(**1000**)** **,**

end\_station\_num **varchar(**100**),**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**INSERT** **INTO** #data\_format\_2012

**SELECT** Duration**,**

**convert(int,substring(**Duration**,**1**,** **Charindex(**'h'**,**Duration**)**-1**))\***60**\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'h'**,**Duration**)**+2 **,** **(Charindex(**'m'**,**Duration**)-Charindex(**'h'**,**Duration**))**-2**))** **\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'m'**,**Duration**)**+2 **,(Charindex(**'s'**,**Duration**)-Charindex(**'m'**,**Duration**))**-2**))** **AS** Duration\_ms**,**

Start\_date**,**

**CONVERT(date,** Start\_date**)** **AS** Start\_day**,**

**CONVERT(time,** Start\_date**)** **AS** Start\_time**,**

End\_date**,**

**CONVERT(date,** End\_date**)** **AS** End\_day**,**

**CONVERT(time,** End\_date**)** **AS** End\_time**,**

Start\_station**,**

**null** **as** startstation**,**

End\_station**,**

**null** **as** endstation**,**

Bike\_num**,**

Member\_Type

**FROM** #data\_loading\_2012

**CREATE** **TABLE** ##output\_2012**(**

row\_id **INT** **IDENTITY(**1**,**1**)** **PRIMARY** **KEY,**

Duration **varchar(**1000**)** **,**

Duration\_s **varchar(**300**),**

Start\_date **varchar(**3000**),**

Start\_day **varchar(**3000**),**

Start\_time **varchar(**3000**),**

End\_date **varchar(**3000**),**

End\_day **varchar(**3000**),**

End\_time **varchar(**3000**),**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**),**

Bike\_num **varchar(**1000**)** **,**

Member\_Type **varchar(**1000**)**

**);**

**INSERT** **INTO** ##output\_2012 **VALUES** **(**'Duration'**,**'Duration\_s'**,**'Start\_date'**,**'Start\_day'**,**'Start\_time'**,**'End\_date'**,**'End\_day'**,**'End\_time'**,**'Start\_station'**,**'Start\_station\_num'**,**'End\_station'**,**'End\_station\_num'**,**'Bike\_num'**,**'Member\_Type'**);**

**INSERT** **INTO** ##output\_2012

**SELECT** **\*** **FROM** #data\_format\_2012**;**

**DECLARE** @baseDirectory **AS** **VARCHAR(max);**

**SET** @baseDirectory **=**'C:\Users\mchin\Desktop\Data\_Clean'

**declare** @vme\_output **varchar(**300**);** **set** @vme\_output **=** '##output\_2012'

**SET** @**sql** **=** 'Exec master..xp\_cmdshell ''BCP "select Duration,Duration\_s,Start\_date,Start\_day,Start\_time,End\_date,End\_day,End\_time,Start\_station,Start\_station\_num,End\_station,End\_station\_num,Bike\_num,Member\_Type from tempdb.dbo.'**+**@vme\_output**+**' where Duration is not null order by row\_id " queryout "'

**+** @baseDirectory **+**

'\2012\_output.txt' **+**

'" -c -T -S ' **+** @@SERVERNAME **+** ''''**;**

PRINT @**sql;**

**EXEC(**@**sql);**

**drop** **table** ##output\_2012

**drop** **table** #data\_format\_2012

**drop** **table** #data\_loading\_2012

2013 Q1-Q4

**CREATE** **TABLE** #data\_loading\_2013**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

End\_date **datetime** **,**

Start\_station **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**DECLARE** @**SQL** **VARCHAR(MAX);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2013 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2013-Q1-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2013 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2013-Q2-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2013 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2013-Q3-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**CREATE** **TABLE** #data\_loading\_2013\_temp**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

Start\_station **varchar(**1000**)** **,**

End\_date **datetime** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2013\_temp FROM

''C:\Users\mchin\Desktop\Data\_Clean\2013-Q4-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**INSERT** **into** #data\_loading\_2013 **(**Duration**,** Start\_date**,** End\_date**,**Start\_station**,** End\_station**,**Bike\_num**,**Member\_type**)**

**select** Duration**,** Start\_date**,** End\_date**,**Start\_station**,**End\_station**,**Bike\_num**,**Member\_type **from** #data\_loading\_2013

**CREATE** **TABLE** #data\_format\_2013**(**

Duration **varchar(**100**)** **,**

Duration\_s **bigint,**

Start\_date **datetime** **,**

Start\_day **date,**

Start\_time **time,**

End\_date **datetime,**

End\_day **date,**

End\_time **time,**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**100**)** **,**

End\_station **varchar(**1000**)** **,**

end\_station\_num **varchar(**100**),**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**INSERT** **INTO** #data\_format\_2013

**convert(int,substring(**Duration**,**1**,** **Charindex(**'h'**,**Duration**)**-1**))\***60**\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'h'**,**Duration**)**+2 **,** **(Charindex(**'m'**,**Duration**)-Charindex(**'h'**,**Duration**))**-2**))** **\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'m'**,**Duration**)**+2 **,(Charindex(**'s'**,**Duration**)-Charindex(**'m'**,**Duration**))**-2**))** **AS** Duration\_ms**,**

Start\_date**,**

**CONVERT(date,** Start\_date**)** **AS** Start\_day**,**

**CONVERT(time,** Start\_date**)** **AS** Start\_time**,**

End\_date**,**

**CONVERT(date,** End\_date**)** **AS** End\_day**,**

**CONVERT(time,** End\_date**)** **AS** End\_time**,**

Start\_station**,**

**null** **as** startstation**,**

End\_station**,**

**null** **as** endstation**,**

Bike\_num**,**

Member\_Type

**FROM** #data\_loading\_2013

**CREATE** **TABLE** ##output\_2013**(**

row\_id **INT** **IDENTITY(**1**,**1**)** **PRIMARY** **KEY,**

Duration **varchar(**1000**)** **,**

Duration\_s **varchar(**300**),**

Start\_date **varchar(**3000**),**

Start\_day **varchar(**3000**),**

Start\_time **varchar(**3000**),**

End\_date **varchar(**3000**),**

End\_day **varchar(**3000**),**

End\_time **varchar(**3000**),**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**),**

Bike\_num **varchar(**1000**)** **,**

Member\_Type **varchar(**1000**)**

**);**

**INSERT** **INTO** ##output\_2013 **VALUES** **(**'Duration'**,**'Duration\_s'**,**'Start\_date'**,**'Start\_day'**,**'Start\_time'**,**'End\_date'**,**'End\_day'**,**'End\_time'**,**'Start\_station'**,**'Start\_station\_num'**,**'End\_station'**,**'End\_station\_num'**,**'Bike\_num'**,**'Member\_Type'**);**

**INSERT** **INTO** ##output\_2013

**SELECT** **\*** **FROM** #data\_format\_2013**;**

**DECLARE** @baseDirectory **AS** **VARCHAR(max);**

**SET** @baseDirectory **=**'C:\Users\mchin\Desktop\Data\_Clean'

**declare** @vme\_output **varchar(**300**);** **set** @vme\_output **=** '##output\_2013'

**SET** @**sql** **=** 'Exec master..xp\_cmdshell ''BCP "select Duration,Duration\_s,Start\_date,Start\_day,Start\_time,End\_date,End\_day,End\_time,Start\_station,Start\_station\_num,End\_station,End\_station\_num,Bike\_num,Member\_Type from tempdb.dbo.'**+**@vme\_output**+**' where Duration is not null order by row\_id " queryout "'

**+** @baseDirectory **+**

'\2013\_output.txt' **+**

'" -c -T -S ' **+** @@SERVERNAME **+** ''''**;**

PRINT @**sql;**

**EXEC(**@**sql);**

**drop** **table** ##output\_2013

**drop** **table** #data\_format\_2013

**drop** **table** #data\_loading\_2013

**drop** **table** #data\_loading\_2013\_temp

2014 Q1-Q4

**CREATE** **TABLE** #data\_loading\_2014**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

Start\_station **varchar(**1000**)** **,**

End\_date **datetime** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**DECLARE** @**SQL** **VARCHAR(MAX);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2014 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2014-Q1-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2014 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2014-Q2-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2014 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2014-Q3-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2014 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2014-Q4-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**CREATE** **TABLE** #data\_format\_2014**(**

Duration **varchar(**100**)** **,**

Duration\_s **bigint,**

Start\_date **datetime** **,**

Start\_day **date,**

Start\_time **time,**

End\_date **datetime,**

End\_day **date,**

End\_time **time,**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**100**)** **,**

End\_station **varchar(**1000**)** **,**

end\_station\_num **varchar(**100**),**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**INSERT** **INTO** #data\_format\_2014

**SELECT** Duration**,**

**convert(int,substring(**Duration**,**1**,** **Charindex(**'h'**,**Duration**)**-1**))\***60**\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'h'**,**Duration**)**+2 **,** **(Charindex(**'m'**,**Duration**)-Charindex(**'h'**,**Duration**))**-2**))** **\***60**+**

**convert(int,substring(**Duration**,** **Charindex(**'m'**,**Duration**)**+2 **,(Charindex(**'s'**,**Duration**)-Charindex(**'m'**,**Duration**))**-2**))** **AS** Duration\_ms**,** Start\_date**,**

**CONVERT(date,** Start\_date**)** **AS** Start\_day**,**

**CONVERT(time,** Start\_date**)** **AS** Start\_time**,**

End\_date**,**

**CONVERT(date,** End\_date**)** **AS** End\_day**,**

**CONVERT(time,** End\_date**)** **AS** End\_time**,**

Start\_station**,**

**null** **as** startstation**,**

End\_station**,**

**null** **as** endstation**,**

Bike\_num**,**

Member\_Type

**FROM** #data\_loading\_2014

**CREATE** **TABLE** ##output\_2014**(**

row\_id **INT** **IDENTITY(**1**,**1**)** **PRIMARY** **KEY,**

Duration **varchar(**1000**)** **,**

Duration\_s **varchar(**300**),**

Start\_date **varchar(**3000**),**

Start\_day **varchar(**3000**),**

Start\_time **varchar(**3000**),**

End\_date **varchar(**3000**),**

End\_day **varchar(**3000**),**

End\_time **varchar(**3000**),**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**),**

Bike\_num **varchar(**1000**)** **,**

Member\_Type **varchar(**1000**)**

**);**

**INSERT** **INTO** ##output\_2014 **VALUES** **(**'Duration'**,**'Duration\_s'**,**'Start\_date'**,**'Start\_day'**,**'Start\_time'**,**'End\_date'**,**'End\_day'**,**'End\_time'**,**'Start\_station'**,**'Start\_station\_num'**,**'End\_station'**,**'End\_station\_num'**,**'Bike\_num'**,**'Member\_Type'**);**

**INSERT** **INTO** ##output\_2014

**SELECT** **\*** **FROM** #data\_format\_2014**;**

**DECLARE** @baseDirectory **AS** **VARCHAR(max);**

**SET** @baseDirectory **=**'C:\Users\mchin\Desktop\Data\_Clean'

**declare** @vme\_output **varchar(**300**);** **set** @vme\_output **=** '##output\_2014'

**SET** @**sql** **=** 'Exec master..xp\_cmdshell ''BCP "select Duration,Duration\_s,Start\_date,Start\_day,Start\_time,End\_date,End\_day,End\_time,Start\_station,Start\_station\_num,End\_station,End\_station\_num,Bike\_num,Member\_Type from tempdb.dbo.'**+**@vme\_output**+**' where Duration is not null order by row\_id " queryout "'

**+** @baseDirectory **+**

'\2014\_output.txt' **+**

'" -c -T -S ' **+** @@SERVERNAME **+** ''''**;**

PRINT @**sql;**

**EXEC(**@**sql);**

**drop** **table** ##output\_2014

**drop** **table** #data\_format\_2014

**drop** **table** #data\_loading\_2014

2015 Q1-Q4

**CREATE** **TABLE** #data\_loading\_2015**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

Start\_station **varchar(**1000**)** **,**

End\_date **datetime** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**DECLARE** @**SQL** **VARCHAR(MAX);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2015 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2015-Q1-Trips-History-Data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2015 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2015-Q2-Trips-History-Data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**CREATE** **TABLE** #data\_loading\_2015\_temp**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

End\_date **datetime** **,**

Start\_station\_num **varchar(**1000**)** **,**

Start\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2015\_temp FROM

''C:\Users\mchin\Desktop\Data\_Clean\2015-Q3-cabi-trip-history-data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2015\_temp FROM

''C:\Users\mchin\Desktop\Data\_Clean\2015-Q4-Trips-History-Data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**CREATE** **TABLE** #data\_format\_2015**(**

Duration **varchar(**100**)** **,**

Duration\_s **bigint,**

Start\_date **datetime** **,**

Start\_day **date,**

Start\_time **time,**

End\_date **datetime,**

End\_day **date,**

End\_time **time,**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**100**)** **,**

End\_station **varchar(**1000**)** **,**

end\_station\_num **varchar(**100**),**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**INSERT** **INTO** #data\_format\_2015

**SELECT** Duration**,**

**round(convert(bigint,**Duration**)/**1000**,**0**),**

Start\_date**,**

**CONVERT(date,** Start\_date**)** **AS** Start\_day**,**

**CONVERT(time,** Start\_date**)** **AS** Start\_time**,**

End\_date**,**

**CONVERT(date,** End\_date**)** **AS** End\_day**,**

**CONVERT(time,** End\_date**)** **AS** End\_time**,**

Start\_station**,**

**null** **as** startstation**,**

End\_station**,**

**null** **as** endstation**,**

Bike\_num**,**

Member\_Type

**FROM** #data\_loading\_2015

**INSERT** **INTO** #data\_format\_2015

**SELECT** Duration**,**

**round(convert(bigint,**Duration**)/**1000**,**0**),**

Start\_date**,**

**CONVERT(date,** Start\_date**)** **AS** Start\_day**,**

**CONVERT(time,** Start\_date**)** **AS** Start\_time**,**

End\_date**,**

**CONVERT(date,** End\_date**)** **AS** End\_day**,**

**CONVERT(time,** End\_date**)** **AS** End\_time**,**

Start\_station**,**

Start\_station\_num **as** startstation**,**

End\_station**,**

End\_station\_num **as** endstation**,**

Bike\_num**,**

Member\_Type

**FROM** #data\_loading\_2015\_temp

**CREATE** **TABLE** ##output\_2015**(**

row\_id **INT** **IDENTITY(**1**,**1**)** **PRIMARY** **KEY,**

Duration **varchar(**1000**)** **,**

Duration\_s **varchar(**300**),**

Start\_date **varchar(**3000**),**

Start\_day **varchar(**3000**),**

Start\_time **varchar(**3000**),**

End\_date **varchar(**3000**),**

End\_day **varchar(**3000**),**

End\_time **varchar(**3000**),**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**),**

Bike\_num **varchar(**1000**)** **,**

Member\_Type **varchar(**1000**)**

**);**

**INSERT** **INTO** ##output\_2015 **VALUES** **(**'Duration'**,**'Duration\_s'**,**'Start\_date'**,**'Start\_day'**,**'Start\_time'**,**'End\_date'**,**'End\_day'**,**'End\_time'**,**'Start\_station'**,**'Start\_station\_num'**,**'End\_station'**,**'End\_station\_num'**,**'Bike\_num'**,**'Member\_Type'**);**

**INSERT** **INTO** ##output\_2015

**SELECT** **\*** **FROM** #data\_format\_2015**;**

**DECLARE** @baseDirectory **AS** **VARCHAR(max);**

**SET** @baseDirectory **=**'C:\Users\mchin\Desktop\Data\_Clean'

**declare** @vme\_output **varchar(**300**);** **set** @vme\_output **=** '##output\_2015'

**SET** @**sql** **=** 'Exec master..xp\_cmdshell ''BCP "select Duration,Duration\_s,Start\_date,Start\_day,Start\_time,End\_date,End\_day,End\_time,Start\_station,Start\_station\_num,End\_station,End\_station\_num,Bike\_num,Member\_Type from tempdb.dbo.'**+**@vme\_output**+**' where Duration is not null order by row\_id " queryout "'

**+** @baseDirectory **+**

'\2015\_output.txt' **+**

'" -c -T -S ' **+** @@SERVERNAME **+** ''''**;**

PRINT @**sql;**

**EXEC(**@**sql);**

**drop** **table** ##output\_2015

**drop** **table** #data\_format\_2015

**drop** **table** #data\_loading\_2015

**drop** **table** #data\_loading\_2015\_temp

2016 Q1-Q2

**CREATE** **TABLE** #data\_loading\_2016**(**

Duration **varchar(**1000**)** **,**

Start\_date **datetime** **,**

End\_date **datetime** **,**

Start\_station\_num **varchar(**1000**)** **,**

Start\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**DECLARE** @**SQL** **VARCHAR(MAX);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2016 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2016-Q1-Trips-History-Data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**SET** @**SQL** **=**

'BULK INSERT #data\_loading\_2016 FROM

''C:\Users\mchin\Desktop\Data\_Clean\2016-Q2-Trips-History-Data.csv ''

WITH (FIRSTROW = 2, FIELDTERMINATOR ='','', ROWTERMINATOR=''\n'' );'

**EXEC(**@**SQL);**

**CREATE** **TABLE** #data\_format\_2016**(**

Duration **varchar(**100**)** **,**

Duration\_s **bigint,**

Start\_date **datetime** **,**

Start\_day **date,**

Start\_time **time,**

End\_date **datetime,**

End\_day **date,**

End\_time **time,**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**100**)** **,**

End\_station **varchar(**1000**)** **,**

end\_station\_num **varchar(**100**),**

Bike\_num **varchar(**100**)** **,**

Member\_Type **varchar(**100**)**

**);**

**INSERT** **INTO** #data\_format\_2016

**SELECT** Duration**,**

**round(convert(bigint,**Duration**)/**1000**,**0**),**

Start\_date**,**

**CONVERT(date,** Start\_date**)** **AS** Start\_day**,**

**CONVERT(time,** Start\_date**)** **AS** Start\_time**,**

End\_date**,**

**CONVERT(date,** End\_date**)** **AS** End\_day**,**

**CONVERT(time,** End\_date**)** **AS** End\_time**,**

Start\_station**,**

Start\_station\_num **as** startstation**,**

End\_station**,**

End\_station\_num **as** endstation**,**

Bike\_num**,**

Member\_Type

**FROM** #data\_loading\_2016

**CREATE** **TABLE** ##output\_2016**(**

row\_id **INT** **IDENTITY(**1**,**1**)** **PRIMARY** **KEY,**

Duration **varchar(**1000**)** **,**

Duration\_s **varchar(**300**),**

Start\_date **varchar(**3000**),**

Start\_day **varchar(**3000**),**

Start\_time **varchar(**3000**),**

End\_date **varchar(**3000**),**

End\_day **varchar(**3000**),**

End\_time **varchar(**3000**),**

Start\_station **varchar(**1000**)** **,**

Start\_station\_num **varchar(**1000**)** **,**

End\_station **varchar(**1000**)** **,**

End\_station\_num **varchar(**1000**),**

Bike\_num **varchar(**1000**)** **,**

Member\_Type **varchar(**1000**)**

**);**

**INSERT** **INTO** ##output\_2016 **VALUES** **(**'Duration'**,**'Duration\_s'**,**'Start\_date'**,**'Start\_day'**,**'Start\_time'**,**'End\_date'**,**'End\_day'**,**'End\_time'**,**'Start\_station'**,**'Start\_station\_num'**,**'End\_station'**,**'End\_station\_num'**,**'Bike\_num'**,**'Member\_Type'**);**

**INSERT** **INTO** ##output\_2016

**SELECT** **\*** **FROM** #data\_format\_2016**;**

**DECLARE** @baseDirectory **AS** **VARCHAR(max);**

**SET** @baseDirectory **=**'C:\Users\mchin\Desktop\Data\_Clean'

**declare** @vme\_output **varchar(**300**);** **set** @vme\_output **=** '##output\_2016'

**SET** @**sql** **=** 'Exec master..xp\_cmdshell ''BCP "select Duration,Duration\_s,Start\_date,Start\_day,Start\_time,End\_date,End\_day,End\_time,Start\_station,Start\_station\_num,End\_station,End\_station\_num,Bike\_num,Member\_Type from tempdb.dbo.'**+**@vme\_output**+**' where Duration is not null order by row\_id " queryout "'

**+** @baseDirectory **+**

'\2016\_output.txt' **+**

'" -c -T -S ' **+** @@SERVERNAME **+** ''''**;**

PRINT @**sql;**

**EXEC(**@**sql);**

**drop** **table** ##output\_2016

**drop** **table** #data\_format\_2016

**drop** **table** #data\_loading\_2016

**Data cleaning for Capital Bikeshare regard in the difference between station names:**

UPDATE bikeshare set start\_station= "10th & Monroe St NE" where start\_station= "10th & Monroe St NE (31504)" ;

UPDATE bikeshare set start\_station= "10th & U St NW" where start\_station= "10th & U St NW (31111)" ;

UPDATE bikeshare set start\_station= "10th St & Constitution Ave NW" where start\_station= "10th St & Constitution Ave NW (31219)" ;

UPDATE bikeshare set start\_station= "11th & H St NE" where start\_station= "11th & H St NE (31614)" ;

UPDATE bikeshare set start\_station= "11th & Kenyon St NW" where start\_station= "11th & Kenyon St NW (31102)" ;

UPDATE bikeshare set start\_station= "11th & M St NW" where start\_station= "11th & O St NW" ;

UPDATE bikeshare set start\_station= "12th & Army Navy Dr" where start\_station= "12th & Army Navy Dr (31008)" ;

UPDATE bikeshare set start\_station= "12th & Hayes St" where start\_station= "12th & Hayes St (31001)" ;

UPDATE bikeshare set start\_station= "12th & Newton St NE" where start\_station= "12th & Newton St NE (31501)" ;

UPDATE bikeshare set start\_station= "13th & D St NE" where start\_station= "13th & D St NE (31622)" ;

UPDATE bikeshare set start\_station= "13th & H St NE" where start\_station= "13th & H St NE (31611)" ;

UPDATE bikeshare set start\_station= "13th St & New York Ave NW" where start\_station= "13th St & New York Ave NW (31227)" ;

UPDATE bikeshare set start\_station= "14th & D St NW / Ronald Reagan Building" where start\_station= "14th & D St NW / Ronald Reagan Building (31231)" ;

UPDATE bikeshare set start\_station= "14th & D St SE" where start\_station= "14th & D St SE (31607)" ;

UPDATE bikeshare set start\_station= "14th & G St NW" where start\_station= "14th & G St NW (31238)" ;

UPDATE bikeshare set start\_station= "14th & Harvard St NW" where start\_station= "14th & Harvard St NW (31105)" ;

UPDATE bikeshare set start\_station= "14th & R St NW" where start\_station= "14th & R St NW (31202)" ;

UPDATE bikeshare set start\_station= "14th & Rhode Island Ave NW" where start\_station= "14th & Rhode Island Ave NW (31203)" ;

UPDATE bikeshare set start\_station= "14th & V St NW" where start\_station= "14th & V St NW (31101)" ;

UPDATE bikeshare set start\_station= "14th St & Spring Rd NW" where start\_station= "14th St & Spring Rd NW (31401)" ;

UPDATE bikeshare set start\_station= "14th St Heights / 14th & Crittenden St NW" where start\_station= "14th St Heights / 14th & Crittenden St NW (31402)" ;

UPDATE bikeshare set start\_station= "15th & Crystal Dr" where start\_station= "15th & Crystal Dr (31003)" ;

UPDATE bikeshare set start\_station= "15th & Hayes St" where start\_station= "15th & Hayes St (31005)" ;

UPDATE bikeshare set start\_station= "15th & P St NW" where start\_station= "15th & P St NW (31201)" ;

UPDATE bikeshare set start\_station= "15th St & Massachusetts Ave SE" where start\_station= "15th St & Massachusetts Ave SE (31626)" ;

UPDATE bikeshare set start\_station= "16th & Harvard St NW" where start\_station= "16th & Harvard St NW (31103)" ;

UPDATE bikeshare set start\_station= "16th & U St NW" where start\_station= "16th & U St NW (31229)" ;

UPDATE bikeshare set start\_station= "17th & Corcoran St NW" where start\_station= "17th & Corcoran St NW (31214)" ;

UPDATE bikeshare set start\_station= "17th & K St NW / Farragut Square" where start\_station= "17th & K St NW / Farragut Square (31233)" ;

UPDATE bikeshare set start\_station= "17th & K St NW [formerly 17th & L St NW]" where start\_station= "17th & K St NW [formerly 17th & L St NW] (31213)" ;

UPDATE bikeshare set start\_station= "17th & Rhode Island Ave NW" where start\_station= "17th & Rhode Island Ave NW (31239)" ;

UPDATE bikeshare set start\_station= "18th & Bell St" where start\_station= "18th & Bell St (31007)" ;

UPDATE bikeshare set start\_station= "18th & Hayes St" where start\_station= "18th & Hayes St (31004)" ;

UPDATE bikeshare set start\_station= "18th & M St NW" where start\_station= "18th & M St NW (31221)" ;

UPDATE bikeshare set start\_station= "18th St & Pennsylvania Ave NW" where start\_station= "18th St & Pennsylvania Ave NW (31242)" ;

UPDATE bikeshare set start\_station= "19th & E Street NW" where start\_station= "19th & E Street NW (31206)" ;

UPDATE bikeshare set start\_station= "19th & East Capitol St SE" where start\_station= "19th & East Capitol St SE (31601)" ;

UPDATE bikeshare set start\_station= "19th & L St NW" where start\_station= "19th & L St NW (31224)" ;

UPDATE bikeshare set start\_station= "19th St & Constitution Ave NW" where start\_station= "19th St & Constitution Ave NW (31235)" ;

UPDATE bikeshare set start\_station= "19th St & Pennsylvania Ave NW" where start\_station= "19th St & Pennsylvania Ave NW (31100)" ;

UPDATE bikeshare set start\_station= "1st & M St NE" where start\_station= "1st & M St NE (31603)" ;

UPDATE bikeshare set start\_station= "1st & N ST SE" where start\_station= "1st & N ST SE (31209)" ;

UPDATE bikeshare set start\_station= "1st & Rhode Island Ave NW" where start\_station= "1st & Rhode Island Ave NW (31506)" ;

UPDATE bikeshare set start\_station= "20th & Bell St" where start\_station= "20th & Bell St (31000)" ;

UPDATE bikeshare set start\_station= "20th & Crystal Dr" where start\_station= "20th & Crystal Dr (31002)" ;

UPDATE bikeshare set start\_station= "20th & E St NW" where start\_station= "20th & E St NW (31204)" ;

UPDATE bikeshare set start\_station= "20th St & Florida Ave NW" where start\_station= "20th St & Florida Ave NW (31110)" ;

UPDATE bikeshare set start\_station= "21st & I St NW" where start\_station= "21st & I St NW (31205)" ;

UPDATE bikeshare set start\_station= "21st & M St NW" where start\_station= "21st & M St NW (31212)" ;

UPDATE bikeshare set start\_station= "22nd & I St NW / Foggy Bottom" where start\_station= "22nd & P ST NW" ;

UPDATE bikeshare set start\_station= "23rd & Crystal Dr" where start\_station= "23rd & Crystal Dr (31011)" ;

UPDATE bikeshare set start\_station= "23rd & Eads" where start\_station= "23rd & Eads (31013)" ;

UPDATE bikeshare set start\_station= "25th St & Pennsylvania Ave NW" where start\_station= "25th St & Pennsylvania Ave NW (31237)" ;

UPDATE bikeshare set start\_station= "26th & Crystal Dr" where start\_station= "26th & Crystal Dr (31012)" ;

UPDATE bikeshare set start\_station= "27th & Crystal Dr" where start\_station= "27th & Crystal Dr (31009)" ;

UPDATE bikeshare set start\_station= "3000 Connecticut Ave NW / National Zoo" where start\_station= "3000 Connecticut Ave NW / National Zoo (31307)" ;

UPDATE bikeshare set start\_station= "34th St & Wisconsin Ave NW" where start\_station= "34th St & Wisconsin Ave NW (31226)" ;

UPDATE bikeshare set start\_station= "36th & Calvert St NW / Glover Park" where start\_station= "36th & Calvert St NW / Glover Park (31304)" ;

UPDATE bikeshare set start\_station= "37th & O St NW / Georgetown University" where start\_station= "37th & O St NW / Georgetown University (31236)" ;

UPDATE bikeshare set start\_station= "3rd & D St SE" where start\_station= "3rd & D St SE (31605)" ;

UPDATE bikeshare set start\_station= "3rd & G St SE" where start\_station= "3rd & G St SE (31625)" ;

UPDATE bikeshare set start\_station= "3rd & H St NE" where start\_station= "3rd & H St NE (31616)" ;

UPDATE bikeshare set start\_station= "4th & D St NW / Judiciary Square" where start\_station= "4th & D St NW / Judiciary Square (31621)" ;

UPDATE bikeshare set start\_station= "4th & E St SW" where start\_station= "4th & E St SW (31244)" ;

UPDATE bikeshare set start\_station= "4th & East Capitol St NE" where start\_station= "4th & East Capitol St NE (31618)" ;

UPDATE bikeshare set start\_station= "4th & M St SW" where start\_station= "4th & M St SW (31108)" ;

UPDATE bikeshare set start\_station= "4th & W St NE" where start\_station= "4th St & Madison Dr NW" ;

UPDATE bikeshare set start\_station= "4th St & Massachusetts Ave NW" where start\_station= "4th St & Massachusetts Ave NW (31604)" ;

UPDATE bikeshare set start\_station= "5th & F St NW" where start\_station= "5th & F St NW (31620)" ;

UPDATE bikeshare set start\_station= "5th St & K St NW" where start\_station= "5th St & K St NW (31600)" ;

UPDATE bikeshare set start\_station= "6th & H St NE" where start\_station= "6th & H St NE (31615)" ;

UPDATE bikeshare set start\_station= "7th & F St NW / National Portrait Gallery" where start\_station= "7th & F St NW / National Portrait Gallery (31232)" ;

UPDATE bikeshare set start\_station= "7th & R St NW / Shaw Library" where start\_station= "7th & R St NW / Shaw Library (31245)" ;

UPDATE bikeshare set start\_station= "7th & T St NW" where start\_station= "7th & T St NW (31109)" ;

UPDATE bikeshare set start\_station= "7th & Water St SW / SW Waterfront" where start\_station= "7th & Water St SW / SW Waterfront (31609)" ;

UPDATE bikeshare set start\_station= "8th & Eye St SE / Barracks Row" where start\_station= "8th & Eye St SE / Barracks Row (31608)" ;

UPDATE bikeshare set start\_station= "8th & H St NW" where start\_station= "8th & H St NW (31228)" ;

UPDATE bikeshare set start\_station= "9th & Upshur St NW" where start\_station= "9th & Upshur St NW (31404)" ;

UPDATE bikeshare set start\_station= "Adams Mill & Columbia Rd NW" where start\_station= "Adams Mill & Columbia Rd NW (31104)" ;

UPDATE bikeshare set start\_station= "Anacostia Ave & Benning Rd NE / River Terrace " where start\_station= "Anacostia Ave & Benning Rd NE / River Terrace (31708)" ;

UPDATE bikeshare set start\_station= "Anacostia Library" where start\_station= "Anacostia Library (31804)" ;

UPDATE bikeshare set start\_station= "Anacostia Metro" where start\_station= "Anacostia Metro (31801)" ;

UPDATE bikeshare set start\_station= "Benning Branch Library" where start\_station= "Benning Branch Library (31705)" ;

UPDATE bikeshare set start\_station= "Benning Rd & East Capitol St NE / Benning Rd Metro" where start\_station= "Benning Rd & East Capitol St NE / Benning Rd Metro (31707)" ;

UPDATE bikeshare set start\_station= "Bethesda Metro" where start\_station= "Birthday Station (31900)" ;

UPDATE bikeshare set start\_station= "Bladensburg Rd & Benning Rd NE" where start\_station= "Bladensburg Rd & Benning Rd NE (31617)" ;

UPDATE bikeshare set start\_station= "Branch & Pennsylvania Ave SE" where start\_station= "Branch & Pennsylvania Ave SE (31701)" ;

UPDATE bikeshare set start\_station= "C & O Canal & Wisconsin Ave NW" where start\_station= "C & O Canal & Wisconsin Ave NW (31225)" ;

UPDATE bikeshare set start\_station= "California St & Florida Ave NW" where start\_station= "California St & Florida Ave NW (31116)" ;

UPDATE bikeshare set start\_station= "Calvert St & Woodley Pl NW" where start\_station= "Calvert St & Woodley Pl NW (31106)" ;

UPDATE bikeshare set start\_station= "Clarendon Blvd & Pierce St" where start\_station= "Clarendon Blvd & Pierce St (31016)" ;

UPDATE bikeshare set start\_station= "Columbia Rd & Belmont St NW" where start\_station= "Columbia Rd & Belmont St NW (31113)" ;

UPDATE bikeshare set start\_station= "Columbia Rd & Georgia Ave NW" where start\_station= "Columbia Rd & Georgia Ave NW (31115)" ;

UPDATE bikeshare set start\_station= "Columbus Circle / Union Station" where start\_station= "Columbus Circle / Union Station (31623)" ;

UPDATE bikeshare set start\_station= "Congress Heights Metro" where start\_station= "Congress Heights Metro (31806)" ;

UPDATE bikeshare set start\_station= "Connecticut Ave & Newark St NW / Cleveland Park" where start\_station= "Connecticut Ave & Newark St NW / Cleveland Park (31305)" ;

UPDATE bikeshare set start\_station= "Convention Center / 7th & M St NW" where start\_station= "Convention Center / 7th & M St NW (31223)" ;

UPDATE bikeshare set start\_station= "Court House Metro / Wilson Blvd & N Uhle St" where start\_station= "Court House Metro / Wilson Blvd & N Uhle St (31017)" ;

UPDATE bikeshare set start\_station= "Eastern Market / 7th & North Carolina Ave SE" where start\_station= "Eastern Market / 7th & North Carolina Ave SE (31610)" ;

UPDATE bikeshare set start\_station= "Eastern Market Metro / Pennsylvania Ave & 7th St SE" where start\_station= "Eastern Market Metro / Pennsylvania Ave & 7th St SE (31613)" ;

UPDATE bikeshare set start\_station= "Eckington Pl & Q St NE" where start\_station= "Eckington Pl & Q St NE (31505)" ;

UPDATE bikeshare set start\_station= "Fairfax Village" where start\_station= "Fairfax Village (31706)" ;

UPDATE bikeshare set start\_station= "Florida Ave & R St NW" where start\_station= "Florida Ave & R St NW (31503)" ;

UPDATE bikeshare set start\_station= "Georgetown Harbor / 30th St NW" where start\_station= "Georgetown Harbor / 30th St NW (31215)" ;

UPDATE bikeshare set start\_station= "Georgia & New Hampshire Ave NW" where start\_station= "Georgia & New Hampshire Ave NW (31400)" ;

UPDATE bikeshare set start\_station= "Georgia Ave and Fairmont St NW" where start\_station= "Georgia Ave and Fairmont St NW (31207)" ;

UPDATE bikeshare set start\_station= "Good Hope & Naylor Rd SE" where start\_station= "Good Hope & Naylor Rd SE (31700)" ;

UPDATE bikeshare set start\_station= "Good Hope Rd & MLK Ave SE" where start\_station= "Good Hope Rd & MLK Ave SE (31802)" ;

UPDATE bikeshare set start\_station= "Harvard St & Adams Mill Rd NW" where start\_station= "Harvard St & Adams Mill Rd NW (31112)" ;

UPDATE bikeshare set start\_station= "John McCormack Dr & Michigan Ave NE" where start\_station= "John McCormack Dr & Michigan Ave NE (31502)" ;

UPDATE bikeshare set start\_station= "Kennedy Center" where start\_station= "Kennedy Center (31211)" ;

UPDATE bikeshare set start\_station= "L'Enfant Plaza / 7th & C St SW" where start\_station= "L'Enfant Plaza / 7th & C St SW (31218)" ;

UPDATE bikeshare set start\_station= "Lamont & Mt Pleasant NW" where start\_station= "Lamont & Mt Pleasant NW (31107)" ;

UPDATE bikeshare set start\_station= "Lincoln Park / 13th & East Capitol St NE " where start\_station= "Lincoln Park / 13th & East Capitol St NE (31619)" ;

UPDATE bikeshare set start\_station= "Lynn & 19th St North" where start\_station= "Lynn & 19th St North (31014)" ;

UPDATE bikeshare set start\_station= "M St & New Jersey Ave SE" where start\_station= "M St & New Jersey Ave SE (31208)" ;

UPDATE bikeshare set start\_station= "M St & Pennsylvania Ave NW" where start\_station= "M St & Pennsylvania Ave NW (31246)" ;

UPDATE bikeshare set start\_station= "Massachusetts Ave & Dupont Circle NW" where start\_station= "Massachusetts Ave & Dupont Circle NW (31200)" ;

UPDATE bikeshare set start\_station= "McPherson Square - 14th & H St NW" where start\_station= "McPherson Square - 14th & H St NW (31216)" ;

UPDATE bikeshare set start\_station= "Metro Center / 12th & G St NW" where start\_station= "Metro Center / 12th & G St NW (31230)" ;

UPDATE bikeshare set start\_station= "Minnesota Ave Metro/DOES" where start\_station= "Minnesota Ave Metro/DOES (31703)" ;

UPDATE bikeshare set start\_station= "N Fillmore St & Clarendon Blvd" where start\_station= "N Fillmore St & Clarendon Blvd (31021)" ;

UPDATE bikeshare set start\_station= "N Highland St & Wilson Blvd" where start\_station= "N Highland St & Wilson Blvd (31022)" ;

UPDATE bikeshare set start\_station= "N Rhodes & 16th St N" where start\_station= "N Rhodes & 16th St N (31018)" ;

UPDATE bikeshare set start\_station= "Nannie Helen Burroughs & Minnesota Ave NE" where start\_station= "Nannie Helen Burroughs & Minnesota Ave NE (31704)" ;

UPDATE bikeshare set start\_station= "New York Ave & 15th St NW" where start\_station= "New York Ave & 15th St NW (31222)" ;

UPDATE bikeshare set start\_station= "North Capitol St & F St NW" where start\_station= "North Capitol St & F St NW (31624)" ;

UPDATE bikeshare set start\_station= "Park Rd & Holmead Pl NW" where start\_station= "Park Rd & Holmead Pl NW (31602)" ;

UPDATE bikeshare set start\_station= "Pennsylvania & Minnesota Ave SE" where start\_station= "Pennsylvania & Minnesota Ave SE (31805)" ;

UPDATE bikeshare set start\_station= "Potomac & Pennsylvania Ave SE" where start\_station= "Potomac & Pennsylvania Ave SE (31606)" ;

UPDATE bikeshare set start\_station= "Potomac Ave & 35th St S" where start\_station= "Potomac Ave & 35th St S (31052)" ;

UPDATE bikeshare set start\_station= "Potomac Ave & 8th St SE" where start\_station= "Potomac Ave & 8th St SE (31635)" ;

UPDATE bikeshare set start\_station= "Randle Circle & Minnesota Ave NE" where start\_station= "Randle Circle & Minnesota Ave NE (31702)" ;

UPDATE bikeshare set start\_station= "Rosslyn Metro / Wilson Blvd & Ft Myer Dr" where start\_station= "Rosslyn Metro / Wilson Blvd & Ft Myer Dr (31015)" ;

UPDATE bikeshare set start\_station= "S Glebe & Potomac Ave" where start\_station= "S Glebe & Potomac Ave (31010)" ;

UPDATE bikeshare set start\_station= "S Joyce & Army Navy Dr" where start\_station= "S Joyce & Army Navy Dr (31006)" ;

UPDATE bikeshare set start\_station= "Tenleytown / Wisconsin Ave & Albemarle St NW" where start\_station= "Tenleytown / Wisconsin Ave & Albemarle St NW (31303)" ;

UPDATE bikeshare set start\_station= "Thomas Circle" where start\_station= "Thomas Circle (31241)" ;

UPDATE bikeshare set start\_station= "US Dept of State / Virginia Ave & 21st St NW" where start\_station= "US Dept of State / Virginia Ave & 21st St NW (31220)" ;

UPDATE bikeshare set start\_station= "USDA / 12th & Independence Ave SW" where start\_station= "USDA / 12th & Independence Ave SW (31217)" ;

UPDATE bikeshare set start\_station= "Van Ness Metro / UDC" where start\_station= "Van Ness Metro / UDC (31300)" ;

UPDATE bikeshare set start\_station= "Ward Circle / American University" where start\_station= "Ward Circle / American University (31301)" ;

UPDATE bikeshare set start\_station= "Wilson Blvd & Franklin Rd" where start\_station= "Wilson Blvd & Franklin Rd (31020)" ;

UPDATE bikeshare set start\_station= "Wilson Blvd & N Edgewood St" where start\_station= "Wilson Blvd & N Edgewood St (31019)" ;

UPDATE bikeshare set start\_station= "Wisconsin Ave & Macomb St NW" where start\_station= "Wisconsin Ave & Macomb St NW (31302)" ;

UPDATE bikeshare set start\_station= "4th & W St NE" where start\_station= "4th & Adams St NE (31500)" ;

UPDATE bikeshare set start\_station= "11th & Kenyon St NW" where start\_station= "11th & K St NW" ;

UPDATE bikeshare set start\_station= "Pentagon City Metro / 12th & S Hayes St" where start\_station= "12th & Hayes St" ;

UPDATE bikeshare set start\_station= "Pentagon City Metro / 12th & S Hayes St" where start\_station= "12th & Hayes St / Pentagon City Metro" ;

UPDATE bikeshare set start\_station= "12th & U St NW" where start\_station= "13th & U St NW" ;

UPDATE bikeshare set start\_station= "Pentagon City Metro / 12th & S Hayes St" where start\_station= "15th & Hayes St" ;

UPDATE bikeshare set start\_station= "16th & K St NW" where start\_station= "16th & U St NW" ;

UPDATE bikeshare set start\_station= "17th & K St NW" where start\_station= "17th & K St NW [formerly 17th & L St NW]" ;

UPDATE bikeshare set start\_station= "Crystal City Metro / 18th & Bell St" where start\_station= "18th & Bell St" ;

UPDATE bikeshare set start\_station= "Aurora Hills Community Ctr/18th & Hayes St" where start\_station= "18th & Hayes St" ;

UPDATE bikeshare set start\_station= "18th St & Wyoming Ave NW" where start\_station= "18th & Wyoming Ave NW" ;

UPDATE bikeshare set start\_station= "20th & O St NW / Dupont South" where start\_station= "19th & New Hampshire Ave NW (Dupont Circle south) (31234)" ;

UPDATE bikeshare set start\_station= "1st & N St SE" where start\_station= "1st & N ST SE" ;

UPDATE bikeshare set start\_station= "Crystal City Metro / 18th & Bell St" where start\_station= "20th & Bell St" ;

UPDATE bikeshare set start\_station= "23rd & Eads St" where start\_station= "22nd & Eads St" ;

UPDATE bikeshare set start\_station= "23rd & Eads St" where start\_station= "23rd & Eads" ;

UPDATE bikeshare set start\_station= "27th & Crystal Dr" where start\_station= "26th & Crystal Dr" ;

UPDATE bikeshare set start\_station= "33rd & Water St NW" where start\_station= "34th & Water St NW" ;

UPDATE bikeshare set start\_station= "Randle Circle & Minnesota Ave SE" where start\_station= "34th St & Minnesota Ave SE" ;

UPDATE bikeshare set start\_station= "5th St & Massachusetts Ave NW" where start\_station= "4th St & Massachusetts Ave NW" ;

UPDATE bikeshare set start\_station= "18th St & Rhode Island Ave NE" where start\_station= "4th St & Rhode Island Ave NE" ;

UPDATE bikeshare set start\_station= "5th & K St NW" where start\_station= "5th St & K St NW" ;

UPDATE bikeshare set start\_station= "6th & Water St SW / SW Waterfront" where start\_station= "7th & Water St SW / SW Waterfront" ;

UPDATE bikeshare set start\_station= "7th & F St NW / National Portrait Gallery" where start\_station= "8th & F St NW / National Portrait Gallery" ;

UPDATE bikeshare set start\_station= "18th & M St NW" where start\_station= "Alta Bicycle Share Demonstration Station (31999)" ;

UPDATE bikeshare set start\_station= "18th & M St NW" where start\_station= "Alta Tech Office" ;

UPDATE bikeshare set start\_station= "Anacostia Ave & Benning Rd NE / River Terrace" where start\_station= "Anacostia Ave & Benning Rd NE / River Terrace " ;

UPDATE bikeshare set start\_station= "Bethesda Ave & Arlington Rd" where start\_station= "Bethesda Ave & Arlington Blvd" ;

UPDATE bikeshare set start\_station= "Central Library / N Quincy St & 10th St N" where start\_station= "Central Library" ;

UPDATE bikeshare set start\_station= "Connecticut Ave & Newark St NW / Cleveland Park" where start\_station= "Connecticut Ave & Nebraska Ave NW" ;

UPDATE bikeshare set start\_station= "Court House Metro / 15th & N Uhle St" where start\_station= "Court House Metro / Wilson Blvd & N Uhle St" ;

UPDATE bikeshare set start\_station= "Fairfax Dr & Kenmore St" where start\_station= "Fairfax Dr & Glebe Rd" ;

UPDATE bikeshare set start\_station= "Fallsgrove Dr & W Montgomery Ave" where start\_station= "Fallsgove Dr & W Montgomery Ave" ;

UPDATE bikeshare set start\_station= "Wisconsin Ave & Newark St NW" where start\_station= "Idaho Ave & Newark St NW [on 2nd District patio]" ;

UPDATE bikeshare set start\_station= "King St Metro South" where start\_station= "King St Metro" ;

UPDATE bikeshare set start\_station= "Lee Hwy & N Monroe St" where start\_station= "Lee Hwy & N Nelson St" ;

UPDATE bikeshare set start\_station= "14th St & New York Ave NW" where start\_station= "McPherson Square - 14th & H St NW" ;

UPDATE bikeshare set start\_station= "14th St & New York Ave NW" where start\_station= "McPherson Square / 14th & H St NW" ;

UPDATE bikeshare set start\_station= "Lee Hwy & N Adams St" where start\_station= "N Adams St & Lee Hwy" ;

UPDATE bikeshare set start\_station= "Clarendon Blvd & N Fillmore St" where start\_station= "N Fillmore St & Clarendon Blvd" ;

UPDATE bikeshare set start\_station= "Clarendon Metro / Wilson Blvd & N Highland St" where start\_station= "N Highland St & Wilson Blvd" ;

UPDATE bikeshare set start\_station= "Lee Hwy & N Monroe St" where start\_station= "N Nelson St & Lee Hwy" ;

UPDATE bikeshare set start\_station= "Wilson Blvd & N Quincy St" where start\_station= "N Quincy St & Wilson Blvd" ;

UPDATE bikeshare set start\_station= "Georgia & New Hampshire Ave NW" where start\_station= "New Hampshire Ave & T St NW [formerly 16th & U St NW]" ;

UPDATE bikeshare set start\_station= "Pentagon City Metro / 12th & S Hayes St" where start\_station= "Pentagon City Metro / 12th & Hayes St" ;

UPDATE bikeshare set start\_station= "Randle Circle & Minnesota Ave SE" where start\_station= "Randle Circle & Minnesota Ave NE" ;

UPDATE bikeshare set start\_station= "36th & Calvert St NW / Glover Park" where start\_station= "S Abingdon St & 36th St S" ;

UPDATE bikeshare set start\_station= "TJ Cmty Ctr / 2nd St & S Old Glebe Rd" where start\_station= "Thomas Jefferson Cmty Ctr / 2nd St S & Ivy" ;

UPDATE bikeshare set start\_station= "Virginia Square Metro / N Monroe St & 9th St N" where start\_station= "Virginia Square" ;

UPDATE bikeshare set start\_station= "Wisconsin Ave & Newark St NW" where start\_station= "Wisconsin Ave & Macomb St NW" ;

UPDATE bikeshare set start\_station= "23rd & E St NW " where start\_station= "23rd & E St NW" ;

UPDATE bikeshare set start\_station= "Court House Metro / 15th & N Uhle St " where start\_station= "Court House Metro / 15th & N Uhle St" ;

UPDATE bikeshare set start\_station= "Fenton St & Ellsworth Dr " where start\_station= "Fenton St & Ellsworth Dr" ;

UPDATE bikeshare set start\_station= "Fenton St & New York Ave " where start\_station= "Fenton St & New York Ave" ;

UPDATE bikeshare set start\_station= "Lincoln Park / 13th & East Capitol St NE " where start\_station= "Lincoln Park / 13th & East Capitol St NE" ;

UPDATE bikeshare set start\_station= "Medical Center Metro " where start\_station= "Medical Center Metro" ;

UPDATE bikeshare set start\_station= "Montgomery Ave & Waverly St " where start\_station= "Montgomery Ave & Waverly St" ;

UPDATE bikeshare set start\_station= "Utah St & 11th St N " where start\_station= "Utah St & 11th St N" ;

UPDATE bikeshare set start\_station= "Veterans Pl & Pershing Dr " where start\_station= "Veterans Pl & Pershing Dr" ;

UPDATE bikeshare set start\_station= "Washington Blvd & Walter Reed Dr " where start\_station= "Washington Blvd & Walter Reed Dr" ;

UPDATE bikeshare set start\_station= "Wilson Blvd & N Illinois St " where start\_station= "Wilson Blvd & N Illinois St" ;

UPDATE bikeshare set start\_station= 1st & N St SE where start\_station= 1st & N St SE ;

UPDATE bikeshare set start\_station= "Court House Metro / 15th & N Uhle St" where start\_station like "Court House Metro / 15th & N Uhle St " ;

UPDATE bikeshare set start\_station= "Fenton St & Ellsworth Dr" where start\_station like "Fenton St & Ellsworth Dr " ;

UPDATE bikeshare set start\_station= "Fenton St & New York Ave" where start\_station like "Fenton St & New York Ave " ;

UPDATE bikeshare set start\_station= "Lincoln Park / 13th & East Capitol St NE" where start\_station like "Lincoln Park / 13th & East Capitol St NE " ;

UPDATE bikeshare set start\_station= "Medical Center Metro" where start\_station like "Medical Center Metro " ;

UPDATE bikeshare set start\_station= "Montgomery Ave & Waverly St" where start\_station like "Montgomery Ave & Waverly St " ;

UPDATE bikeshare set start\_station= "Utah St & 11th St N" where start\_station like "Utah St & 11th St N " ;

UPDATE bikeshare set start\_station= "Veterans Pl & Pershing Dr" where start\_station like "Veterans Pl & Pershing Dr " ;

UPDATE bikeshare set start\_station= "Washington Blvd & Walter Reed Dr" where start\_station like "Washington Blvd & Walter Reed Dr " ;

UPDATE bikeshare set start\_station= "Wilson Blvd & N Illinois St" where start\_station like "Wilson Blvd & N Illinois St " ;

**For End station:**

UPDATE bikeshare set end\_station= "10th & Monroe St NE" where end\_station= "10th & Monroe St NE (31504)" ;

UPDATE bikeshare set end\_station= "10th & U St NW" where end\_station= "10th & U St NW (31111)" ;

UPDATE bikeshare set end\_station= "10th St & Constitution Ave NW" where end\_station= "10th St & Constitution Ave NW (31219)" ;

UPDATE bikeshare set end\_station= "11th & H St NE" where end\_station= "11th & H St NE (31614)" ;

UPDATE bikeshare set end\_station= "11th & Kenyon St NW" where end\_station= "11th & Kenyon St NW (31102)" ;

UPDATE bikeshare set end\_station= "11th & M St NW" where end\_station= "11th & O St NW" ;

UPDATE bikeshare set end\_station= "12th & Army Navy Dr" where end\_station= "12th & Army Navy Dr (31008)" ;

UPDATE bikeshare set end\_station= "12th & Hayes St" where end\_station= "12th & Hayes St (31001)" ;

UPDATE bikeshare set end\_station= "12th & Newton St NE" where end\_station= "12th & Newton St NE (31501)" ;

UPDATE bikeshare set end\_station= "13th & D St NE" where end\_station= "13th & D St NE (31622)" ;

UPDATE bikeshare set end\_station= "13th & H St NE" where end\_station= "13th & H St NE (31611)" ;

UPDATE bikeshare set end\_station= "13th St & New York Ave NW" where end\_station= "13th St & New York Ave NW (31227)" ;

UPDATE bikeshare set end\_station= "14th & D St NW / Ronald Reagan Building" where end\_station= "14th & D St NW / Ronald Reagan Building (31231)" ;

UPDATE bikeshare set end\_station= "14th & D St SE" where end\_station= "14th & D St SE (31607)" ;

UPDATE bikeshare set end\_station= "14th & G St NW" where end\_station= "14th & G St NW (31238)" ;

UPDATE bikeshare set end\_station= "14th & Harvard St NW" where end\_station= "14th & Harvard St NW (31105)" ;

UPDATE bikeshare set end\_station= "14th & R St NW" where end\_station= "14th & R St NW (31202)" ;

UPDATE bikeshare set end\_station= "14th & Rhode Island Ave NW" where end\_station= "14th & Rhode Island Ave NW (31203)" ;

UPDATE bikeshare set end\_station= "14th & V St NW" where end\_station= "14th & V St NW (31101)" ;

UPDATE bikeshare set end\_station= "14th St & Spring Rd NW" where end\_station= "14th St & Spring Rd NW (31401)" ;

UPDATE bikeshare set end\_station= "14th St Heights / 14th & Crittenden St NW" where end\_station= "14th St Heights / 14th & Crittenden St NW (31402)" ;

UPDATE bikeshare set end\_station= "15th & Crystal Dr" where end\_station= "15th & Crystal Dr (31003)" ;

UPDATE bikeshare set end\_station= "15th & Hayes St" where end\_station= "15th & Hayes St (31005)" ;

UPDATE bikeshare set end\_station= "15th & P St NW" where end\_station= "15th & P St NW (31201)" ;

UPDATE bikeshare set end\_station= "15th St & Massachusetts Ave SE" where end\_station= "15th St & Massachusetts Ave SE (31626)" ;

UPDATE bikeshare set end\_station= "16th & Harvard St NW" where end\_station= "16th & Harvard St NW (31103)" ;

UPDATE bikeshare set end\_station= "16th & U St NW" where end\_station= "16th & U St NW (31229)" ;

UPDATE bikeshare set end\_station= "17th & Corcoran St NW" where end\_station= "17th & Corcoran St NW (31214)" ;

UPDATE bikeshare set end\_station= "17th & K St NW / Farragut Square" where end\_station= "17th & K St NW / Farragut Square (31233)" ;

UPDATE bikeshare set end\_station= "17th & K St NW [formerly 17th & L St NW]" where end\_station= "17th & K St NW [formerly 17th & L St NW] (31213)" ;

UPDATE bikeshare set end\_station= "17th & Rhode Island Ave NW" where end\_station= "17th & Rhode Island Ave NW (31239)" ;

UPDATE bikeshare set end\_station= "18th & Bell St" where end\_station= "18th & Bell St (31007)" ;

UPDATE bikeshare set end\_station= "18th & Hayes St" where end\_station= "18th & Hayes St (31004)" ;

UPDATE bikeshare set end\_station= "18th & M St NW" where end\_station= "18th & M St NW (31221)" ;

UPDATE bikeshare set end\_station= "18th St & Pennsylvania Ave NW" where end\_station= "18th St & Pennsylvania Ave NW (31242)" ;

UPDATE bikeshare set end\_station= "19th & E Street NW" where end\_station= "19th & E Street NW (31206)" ;

UPDATE bikeshare set end\_station= "19th & East Capitol St SE" where end\_station= "19th & East Capitol St SE (31601)" ;

UPDATE bikeshare set end\_station= "19th & L St NW" where end\_station= "19th & L St NW (31224)" ;

UPDATE bikeshare set end\_station= "19th St & Constitution Ave NW" where end\_station= "19th St & Constitution Ave NW (31235)" ;

UPDATE bikeshare set end\_station= "19th St & Pennsylvania Ave NW" where end\_station= "19th St & Pennsylvania Ave NW (31100)" ;

UPDATE bikeshare set end\_station= "1st & M St NE" where end\_station= "1st & M St NE (31603)" ;

UPDATE bikeshare set end\_station= "1st & N ST SE" where end\_station= "1st & N ST SE (31209)" ;

UPDATE bikeshare set end\_station= "1st & Rhode Island Ave NW" where end\_station= "1st & Rhode Island Ave NW (31506)" ;

UPDATE bikeshare set end\_station= "20th & Bell St" where end\_station= "20th & Bell St (31000)" ;

UPDATE bikeshare set end\_station= "20th & Crystal Dr" where end\_station= "20th & Crystal Dr (31002)" ;

UPDATE bikeshare set end\_station= "20th & E St NW" where end\_station= "20th & E St NW (31204)" ;

UPDATE bikeshare set end\_station= "20th St & Florida Ave NW" where end\_station= "20th St & Florida Ave NW (31110)" ;

UPDATE bikeshare set end\_station= "21st & I St NW" where end\_station= "21st & I St NW (31205)" ;

UPDATE bikeshare set end\_station= "21st & M St NW" where end\_station= "21st & M St NW (31212)" ;

UPDATE bikeshare set end\_station= "22nd & I St NW / Foggy Bottom" where end\_station= "22nd & P ST NW" ;

UPDATE bikeshare set end\_station= "23rd & Crystal Dr" where end\_station= "23rd & Crystal Dr (31011)" ;

UPDATE bikeshare set end\_station= "23rd & Eads" where end\_station= "23rd & Eads (31013)" ;

UPDATE bikeshare set end\_station= "25th St & Pennsylvania Ave NW" where end\_station= "25th St & Pennsylvania Ave NW (31237)" ;

UPDATE bikeshare set end\_station= "26th & Crystal Dr" where end\_station= "26th & Crystal Dr (31012)" ;

UPDATE bikeshare set end\_station= "27th & Crystal Dr" where end\_station= "27th & Crystal Dr (31009)" ;

UPDATE bikeshare set end\_station= "3000 Connecticut Ave NW / National Zoo" where end\_station= "3000 Connecticut Ave NW / National Zoo (31307)" ;

UPDATE bikeshare set end\_station= "34th St & Wisconsin Ave NW" where end\_station= "34th St & Wisconsin Ave NW (31226)" ;

UPDATE bikeshare set end\_station= "36th & Calvert St NW / Glover Park" where end\_station= "36th & Calvert St NW / Glover Park (31304)" ;

UPDATE bikeshare set end\_station= "37th & O St NW / Georgetown University" where end\_station= "37th & O St NW / Georgetown University (31236)" ;

UPDATE bikeshare set end\_station= "3rd & D St SE" where end\_station= "3rd & D St SE (31605)" ;

UPDATE bikeshare set end\_station= "3rd & G St SE" where end\_station= "3rd & G St SE (31625)" ;

UPDATE bikeshare set end\_station= "3rd & H St NE" where end\_station= "3rd & H St NE (31616)" ;

UPDATE bikeshare set end\_station= "4th & D St NW / Judiciary Square" where end\_station= "4th & D St NW / Judiciary Square (31621)" ;

UPDATE bikeshare set end\_station= "4th & E St SW" where end\_station= "4th & E St SW (31244)" ;

UPDATE bikeshare set end\_station= "4th & East Capitol St NE" where end\_station= "4th & East Capitol St NE (31618)" ;

UPDATE bikeshare set end\_station= "4th & M St SW" where end\_station= "4th & M St SW (31108)" ;

UPDATE bikeshare set end\_station= "4th & W St NE" where end\_station= "4th St & Madison Dr NW" ;

UPDATE bikeshare set end\_station= "4th St & Massachusetts Ave NW" where end\_station= "4th St & Massachusetts Ave NW (31604)" ;

UPDATE bikeshare set end\_station= "5th & F St NW" where end\_station= "5th & F St NW (31620)" ;

UPDATE bikeshare set end\_station= "5th St & K St NW" where end\_station= "5th St & K St NW (31600)" ;

UPDATE bikeshare set end\_station= "6th & H St NE" where end\_station= "6th & H St NE (31615)" ;

UPDATE bikeshare set end\_station= "7th & F St NW / National Portrait Gallery" where end\_station= "7th & F St NW / National Portrait Gallery (31232)" ;

UPDATE bikeshare set end\_station= "7th & R St NW / Shaw Library" where end\_station= "7th & R St NW / Shaw Library (31245)" ;

UPDATE bikeshare set end\_station= "7th & T St NW" where end\_station= "7th & T St NW (31109)" ;

UPDATE bikeshare set end\_station= "7th & Water St SW / SW Waterfront" where end\_station= "7th & Water St SW / SW Waterfront (31609)" ;

UPDATE bikeshare set end\_station= "8th & Eye St SE / Barracks Row" where end\_station= "8th & Eye St SE / Barracks Row (31608)" ;

UPDATE bikeshare set end\_station= "8th & H St NW" where end\_station= "8th & H St NW (31228)" ;

UPDATE bikeshare set end\_station= "9th & Upshur St NW" where end\_station= "9th & Upshur St NW (31404)" ;

UPDATE bikeshare set end\_station= "Adams Mill & Columbia Rd NW" where end\_station= "Adams Mill & Columbia Rd NW (31104)" ;

UPDATE bikeshare set end\_station= "Anacostia Ave & Benning Rd NE / River Terrace " where end\_station= "Anacostia Ave & Benning Rd NE / River Terrace (31708)" ;

UPDATE bikeshare set end\_station= "Anacostia Library" where end\_station= "Anacostia Library (31804)" ;

UPDATE bikeshare set end\_station= "Anacostia Metro" where end\_station= "Anacostia Metro (31801)" ;

UPDATE bikeshare set end\_station= "Benning Branch Library" where end\_station= "Benning Branch Library (31705)" ;

UPDATE bikeshare set end\_station= "Benning Rd & East Capitol St NE / Benning Rd Metro" where end\_station= "Benning Rd & East Capitol St NE / Benning Rd Metro (31707)" ;

UPDATE bikeshare set end\_station= "Bethesda Metro" where end\_station= "Birthday Station (31900)" ;

UPDATE bikeshare set end\_station= "Bladensburg Rd & Benning Rd NE" where end\_station= "Bladensburg Rd & Benning Rd NE (31617)" ;

UPDATE bikeshare set end\_station= "Branch & Pennsylvania Ave SE" where end\_station= "Branch & Pennsylvania Ave SE (31701)" ;

UPDATE bikeshare set end\_station= "C & O Canal & Wisconsin Ave NW" where end\_station= "C & O Canal & Wisconsin Ave NW (31225)" ;

UPDATE bikeshare set end\_station= "California St & Florida Ave NW" where end\_station= "California St & Florida Ave NW (31116)" ;

UPDATE bikeshare set end\_station= "Calvert St & Woodley Pl NW" where end\_station= "Calvert St & Woodley Pl NW (31106)" ;

UPDATE bikeshare set end\_station= "Clarendon Blvd & Pierce St" where end\_station= "Clarendon Blvd & Pierce St (31016)" ;

UPDATE bikeshare set end\_station= "Columbia Rd & Belmont St NW" where end\_station= "Columbia Rd & Belmont St NW (31113)" ;

UPDATE bikeshare set end\_station= "Columbia Rd & Georgia Ave NW" where end\_station= "Columbia Rd & Georgia Ave NW (31115)" ;

UPDATE bikeshare set end\_station= "Columbus Circle / Union Station" where end\_station= "Columbus Circle / Union Station (31623)" ;

UPDATE bikeshare set end\_station= "Congress Heights Metro" where end\_station= "Congress Heights Metro (31806)" ;

UPDATE bikeshare set end\_station= "Connecticut Ave & Newark St NW / Cleveland Park" where end\_station= "Connecticut Ave & Newark St NW / Cleveland Park (31305)" ;

UPDATE bikeshare set end\_station= "Convention Center / 7th & M St NW" where end\_station= "Convention Center / 7th & M St NW (31223)" ;

UPDATE bikeshare set end\_station= "Court House Metro / Wilson Blvd & N Uhle St" where end\_station= "Court House Metro / Wilson Blvd & N Uhle St (31017)" ;

UPDATE bikeshare set end\_station= "Eastern Market / 7th & North Carolina Ave SE" where end\_station= "Eastern Market / 7th & North Carolina Ave SE (31610)" ;

UPDATE bikeshare set end\_station= "Eastern Market Metro / Pennsylvania Ave & 7th St SE" where end\_station= "Eastern Market Metro / Pennsylvania Ave & 7th St SE (31613)" ;

UPDATE bikeshare set end\_station= "Eckington Pl & Q St NE" where end\_station= "Eckington Pl & Q St NE (31505)" ;

UPDATE bikeshare set end\_station= "Fairfax Village" where end\_station= "Fairfax Village (31706)" ;

UPDATE bikeshare set end\_station= "Florida Ave & R St NW" where end\_station= "Florida Ave & R St NW (31503)" ;

UPDATE bikeshare set end\_station= "Georgetown Harbor / 30th St NW" where end\_station= "Georgetown Harbor / 30th St NW (31215)" ;

UPDATE bikeshare set end\_station= "Georgia & New Hampshire Ave NW" where end\_station= "Georgia & New Hampshire Ave NW (31400)" ;

UPDATE bikeshare set end\_station= "Georgia Ave and Fairmont St NW" where end\_station= "Georgia Ave and Fairmont St NW (31207)" ;

UPDATE bikeshare set end\_station= "Good Hope & Naylor Rd SE" where end\_station= "Good Hope & Naylor Rd SE (31700)" ;

UPDATE bikeshare set end\_station= "Good Hope Rd & MLK Ave SE" where end\_station= "Good Hope Rd & MLK Ave SE (31802)" ;

UPDATE bikeshare set end\_station= "Harvard St & Adams Mill Rd NW" where end\_station= "Harvard St & Adams Mill Rd NW (31112)" ;

UPDATE bikeshare set end\_station= "John McCormack Dr & Michigan Ave NE" where end\_station= "John McCormack Dr & Michigan Ave NE (31502)" ;

UPDATE bikeshare set end\_station= "Kennedy Center" where end\_station= "Kennedy Center (31211)" ;

UPDATE bikeshare set end\_station= "L'Enfant Plaza / 7th & C St SW" where end\_station= "L'Enfant Plaza / 7th & C St SW (31218)" ;

UPDATE bikeshare set end\_station= "Lamont & Mt Pleasant NW" where end\_station= "Lamont & Mt Pleasant NW (31107)" ;

UPDATE bikeshare set end\_station= "Lincoln Park / 13th & East Capitol St NE " where end\_station= "Lincoln Park / 13th & East Capitol St NE (31619)" ;

UPDATE bikeshare set end\_station= "Lynn & 19th St North" where end\_station= "Lynn & 19th St North (31014)" ;

UPDATE bikeshare set end\_station= "M St & New Jersey Ave SE" where end\_station= "M St & New Jersey Ave SE (31208)" ;

UPDATE bikeshare set end\_station= "M St & Pennsylvania Ave NW" where end\_station= "M St & Pennsylvania Ave NW (31246)" ;

UPDATE bikeshare set end\_station= "Massachusetts Ave & Dupont Circle NW" where end\_station= "Massachusetts Ave & Dupont Circle NW (31200)" ;

UPDATE bikeshare set end\_station= "McPherson Square - 14th & H St NW" where end\_station= "McPherson Square - 14th & H St NW (31216)" ;

UPDATE bikeshare set end\_station= "Metro Center / 12th & G St NW" where end\_station= "Metro Center / 12th & G St NW (31230)" ;

UPDATE bikeshare set end\_station= "Minnesota Ave Metro/DOES" where end\_station= "Minnesota Ave Metro/DOES (31703)" ;

UPDATE bikeshare set end\_station= "N Fillmore St & Clarendon Blvd" where end\_station= "N Fillmore St & Clarendon Blvd (31021)" ;

UPDATE bikeshare set end\_station= "N Highland St & Wilson Blvd" where end\_station= "N Highland St & Wilson Blvd (31022)" ;

UPDATE bikeshare set end\_station= "N Rhodes & 16th St N" where end\_station= "N Rhodes & 16th St N (31018)" ;

UPDATE bikeshare set end\_station= "Nannie Helen Burroughs & Minnesota Ave NE" where end\_station= "Nannie Helen Burroughs & Minnesota Ave NE (31704)" ;

UPDATE bikeshare set end\_station= "New York Ave & 15th St NW" where end\_station= "New York Ave & 15th St NW (31222)" ;

UPDATE bikeshare set end\_station= "North Capitol St & F St NW" where end\_station= "North Capitol St & F St NW (31624)" ;

UPDATE bikeshare set end\_station= "Park Rd & Holmead Pl NW" where end\_station= "Park Rd & Holmead Pl NW (31602)" ;

UPDATE bikeshare set end\_station= "Pennsylvania & Minnesota Ave SE" where end\_station= "Pennsylvania & Minnesota Ave SE (31805)" ;

UPDATE bikeshare set end\_station= "Potomac & Pennsylvania Ave SE" where end\_station= "Potomac & Pennsylvania Ave SE (31606)" ;

UPDATE bikeshare set end\_station= "Potomac Ave & 35th St S" where end\_station= "Potomac Ave & 35th St S (31052)" ;

UPDATE bikeshare set end\_station= "Potomac Ave & 8th St SE" where end\_station= "Potomac Ave & 8th St SE (31635)" ;

UPDATE bikeshare set end\_station= "Randle Circle & Minnesota Ave NE" where end\_station= "Randle Circle & Minnesota Ave NE (31702)" ;

UPDATE bikeshare set end\_station= "Rosslyn Metro / Wilson Blvd & Ft Myer Dr" where end\_station= "Rosslyn Metro / Wilson Blvd & Ft Myer Dr (31015)" ;

UPDATE bikeshare set end\_station= "S Glebe & Potomac Ave" where end\_station= "S Glebe & Potomac Ave (31010)" ;

UPDATE bikeshare set end\_station= "S Joyce & Army Navy Dr" where end\_station= "S Joyce & Army Navy Dr (31006)" ;

UPDATE bikeshare set end\_station= "Tenleytown / Wisconsin Ave & Albemarle St NW" where end\_station= "Tenleytown / Wisconsin Ave & Albemarle St NW (31303)" ;

UPDATE bikeshare set end\_station= "Thomas Circle" where end\_station= "Thomas Circle (31241)" ;

UPDATE bikeshare set end\_station= "US Dept of State / Virginia Ave & 21st St NW" where end\_station= "US Dept of State / Virginia Ave & 21st St NW (31220)" ;

UPDATE bikeshare set end\_station= "USDA / 12th & Independence Ave SW" where end\_station= "USDA / 12th & Independence Ave SW (31217)" ;

UPDATE bikeshare set end\_station= "Van Ness Metro / UDC" where end\_station= "Van Ness Metro / UDC (31300)" ;

UPDATE bikeshare set end\_station= "Ward Circle / American University" where end\_station= "Ward Circle / American University (31301)" ;

UPDATE bikeshare set end\_station= "Wilson Blvd & Franklin Rd" where end\_station= "Wilson Blvd & Franklin Rd (31020)" ;

UPDATE bikeshare set end\_station= "Wilson Blvd & N Edgewood St" where end\_station= "Wilson Blvd & N Edgewood St (31019)" ;

UPDATE bikeshare set end\_station= "Wisconsin Ave & Macomb St NW" where end\_station= "Wisconsin Ave & Macomb St NW (31302)" ;

UPDATE bikeshare set end\_station= "4th & W St NE" where end\_station= "4th & Adams St NE (31500)" ;

UPDATE bikeshare set end\_station= "11th & Kenyon St NW" where end\_station= "11th & K St NW" ;

UPDATE bikeshare set end\_station= "Pentagon City Metro / 12th & S Hayes St" where end\_station= "12th & Hayes St" ;

UPDATE bikeshare set end\_station= "Pentagon City Metro / 12th & S Hayes St" where end\_station= "12th & Hayes St / Pentagon City Metro" ;

UPDATE bikeshare set end\_station= "12th & U St NW" where end\_station= "13th & U St NW" ;

UPDATE bikeshare set end\_station= "Pentagon City Metro / 12th & S Hayes St" where end\_station= "15th & Hayes St" ;

UPDATE bikeshare set end\_station= "16th & K St NW" where end\_station= "16th & U St NW" ;

UPDATE bikeshare set end\_station= "17th & K St NW" where end\_station= "17th & K St NW [formerly 17th & L St NW]" ;

UPDATE bikeshare set end\_station= "Crystal City Metro / 18th & Bell St" where end\_station= "18th & Bell St" ;

UPDATE bikeshare set end\_station= "Aurora Hills Community Ctr/18th & Hayes St" where end\_station= "18th & Hayes St" ;

UPDATE bikeshare set end\_station= "18th St & Wyoming Ave NW" where end\_station= "18th & Wyoming Ave NW" ;

UPDATE bikeshare set end\_station= "20th & O St NW / Dupont South" where end\_station= "19th & New Hampshire Ave NW (Dupont Circle south) (31234)" ;

UPDATE bikeshare set end\_station= "1st & N St SE" where end\_station= "1st & N ST SE" ;

UPDATE bikeshare set end\_station= "Crystal City Metro / 18th & Bell St" where end\_station= "20th & Bell St" ;

UPDATE bikeshare set end\_station= "23rd & Eads St" where end\_station= "22nd & Eads St" ;

UPDATE bikeshare set end\_station= "23rd & Eads St" where end\_station= "23rd & Eads" ;

UPDATE bikeshare set end\_station= "27th & Crystal Dr" where end\_station= "26th & Crystal Dr" ;

UPDATE bikeshare set end\_station= "33rd & Water St NW" where end\_station= "34th & Water St NW" ;

UPDATE bikeshare set end\_station= "Randle Circle & Minnesota Ave SE" where end\_station= "34th St & Minnesota Ave SE" ;

UPDATE bikeshare set end\_station= "5th St & Massachusetts Ave NW" where end\_station= "4th St & Massachusetts Ave NW" ;

UPDATE bikeshare set end\_station= "18th St & Rhode Island Ave NE" where end\_station= "4th St & Rhode Island Ave NE" ;

UPDATE bikeshare set end\_station= "5th & K St NW" where end\_station= "5th St & K St NW" ;

UPDATE bikeshare set end\_station= "6th & Water St SW / SW Waterfront" where end\_station= "7th & Water St SW / SW Waterfront" ;

UPDATE bikeshare set end\_station= "7th & F St NW / National Portrait Gallery" where end\_station= "8th & F St NW / National Portrait Gallery" ;

UPDATE bikeshare set end\_station= "18th & M St NW" where end\_station= "Alta Bicycle Share Demonstration Station (31999)" ;

UPDATE bikeshare set end\_station= "18th & M St NW" where end\_station= "Alta Tech Office" ;

UPDATE bikeshare set end\_station= "Anacostia Ave & Benning Rd NE / River Terrace" where end\_station= "Anacostia Ave & Benning Rd NE / River Terrace " ;

UPDATE bikeshare set end\_station= "Bethesda Ave & Arlington Rd" where end\_station= "Bethesda Ave & Arlington Blvd" ;

UPDATE bikeshare set end\_station= "Central Library / N Quincy St & 10th St N" where end\_station= "Central Library" ;

UPDATE bikeshare set end\_station= "Connecticut Ave & Newark St NW / Cleveland Park" where end\_station= "Connecticut Ave & Nebraska Ave NW" ;

UPDATE bikeshare set end\_station= "Court House Metro / 15th & N Uhle St" where end\_station= "Court House Metro / Wilson Blvd & N Uhle St" ;

UPDATE bikeshare set end\_station= "Fairfax Dr & Kenmore St" where end\_station= "Fairfax Dr & Glebe Rd" ;

UPDATE bikeshare set end\_station= "Fallsgrove Dr & W Montgomery Ave" where end\_station= "Fallsgove Dr & W Montgomery Ave" ;

UPDATE bikeshare set end\_station= "Wisconsin Ave & Newark St NW" where end\_station= "Idaho Ave & Newark St NW [on 2nd District patio]" ;

UPDATE bikeshare set end\_station= "King St Metro South" where end\_station= "King St Metro" ;

UPDATE bikeshare set end\_station= "Lee Hwy & N Monroe St" where end\_station= "Lee Hwy & N Nelson St" ;

UPDATE bikeshare set end\_station= "14th St & New York Ave NW" where end\_station= "McPherson Square - 14th & H St NW" ;

UPDATE bikeshare set end\_station= "14th St & New York Ave NW" where end\_station= "McPherson Square / 14th & H St NW" ;

UPDATE bikeshare set end\_station= "Lee Hwy & N Adams St" where end\_station= "N Adams St & Lee Hwy" ;

UPDATE bikeshare set end\_station= "Clarendon Blvd & N Fillmore St" where end\_station= "N Fillmore St & Clarendon Blvd" ;

UPDATE bikeshare set end\_station= "Clarendon Metro / Wilson Blvd & N Highland St" where end\_station= "N Highland St & Wilson Blvd" ;

UPDATE bikeshare set end\_station= "Lee Hwy & N Monroe St" where end\_station= "N Nelson St & Lee Hwy" ;

UPDATE bikeshare set end\_station= "Wilson Blvd & N Quincy St" where end\_station= "N Quincy St & Wilson Blvd" ;

UPDATE bikeshare set end\_station= "Georgia & New Hampshire Ave NW" where end\_station= "New Hampshire Ave & T St NW [formerly 16th & U St NW]" ;

UPDATE bikeshare set end\_station= "Pentagon City Metro / 12th & S Hayes St" where end\_station= "Pentagon City Metro / 12th & Hayes St" ;

UPDATE bikeshare set end\_station= "Randle Circle & Minnesota Ave SE" where end\_station= "Randle Circle & Minnesota Ave NE" ;

UPDATE bikeshare set end\_station= "36th & Calvert St NW / Glover Park" where end\_station= "S Abingdon St & 36th St S" ;

UPDATE bikeshare set end\_station= "TJ Cmty Ctr / 2nd St & S Old Glebe Rd" where end\_station= "Thomas Jefferson Cmty Ctr / 2nd St S & Ivy" ;

UPDATE bikeshare set end\_station= "Virginia Square Metro / N Monroe St & 9th St N" where end\_station= "Virginia Square" ;

UPDATE bikeshare set end\_station= "Wisconsin Ave & Newark St NW" where end\_station= "Wisconsin Ave & Macomb St NW" ;

UPDATE bikeshare set end\_station= "23rd & E St NW " where end\_station= "23rd & E St NW" ;

UPDATE bikeshare set end\_station= "Court House Metro / 15th & N Uhle St " where end\_station= "Court House Metro / 15th & N Uhle St" ;

UPDATE bikeshare set end\_station= "Fenton St & Ellsworth Dr " where end\_station= "Fenton St & Ellsworth Dr" ;

UPDATE bikeshare set end\_station= "Fenton St & New York Ave " where end\_station= "Fenton St & New York Ave" ;

UPDATE bikeshare set end\_station= "Lincoln Park / 13th & East Capitol St NE " where end\_station= "Lincoln Park / 13th & East Capitol St NE" ;

UPDATE bikeshare set end\_station= "Medical Center Metro " where end\_station= "Medical Center Metro" ;

UPDATE bikeshare set end\_station= "Montgomery Ave & Waverly St " where end\_station= "Montgomery Ave & Waverly St" ;

UPDATE bikeshare set end\_station= "Utah St & 11th St N " where end\_station= "Utah St & 11th St N" ;

UPDATE bikeshare set end\_station= "Veterans Pl & Pershing Dr " where end\_station= "Veterans Pl & Pershing Dr" ;

UPDATE bikeshare set end\_station= "Washington Blvd & Walter Reed Dr " where end\_station= "Washington Blvd & Walter Reed Dr" ;

UPDATE bikeshare set end\_station= "Wilson Blvd & N Illinois St " where end\_station= "Wilson Blvd & N Illinois St" ;

UPDATE bikeshare set end\_station= "1st & N St SE" where end\_station= "1st & N St SE" ;

UPDATE bikeshare set end\_station= "Court House Metro / 15th & N Uhle St" where end\_station= "Court House Metro / 15th & N Uhle St " ;

UPDATE bikeshare set end\_station= "Fenton St & Ellsworth Dr" where end\_station= "Fenton St & Ellsworth Dr " ;

UPDATE bikeshare set end\_station= "Fenton St & New York Ave" where end\_station= "Fenton St & New York Ave " ;

UPDATE bikeshare set end\_station= "Lincoln Park / 13th & East Capitol St NE" where end\_station= "Lincoln Park / 13th & East Capitol St NE " ;

UPDATE bikeshare set end\_station= "Medical Center Metro" where end\_station= "Medical Center Metro " ;

UPDATE bikeshare set end\_station= "Montgomery Ave & Waverly St" where end\_station= "Montgomery Ave & Waverly St " ;

UPDATE bikeshare set end\_station= "Utah St & 11th St N" where end\_station= "Utah St & 11th St N " ;

UPDATE bikeshare set end\_station= "Veterans Pl & Pershing Dr" where end\_station= "Veterans Pl & Pershing Dr " ;

UPDATE bikeshare set end\_station= "Washington Blvd & Walter Reed Dr" where end\_station= "Washington Blvd & Walter Reed Dr " ;

UPDATE bikeshare set end\_station= "Wilson Blvd & N Illinois St" where end\_station= "Wilson Blvd & N Illinois St " ;