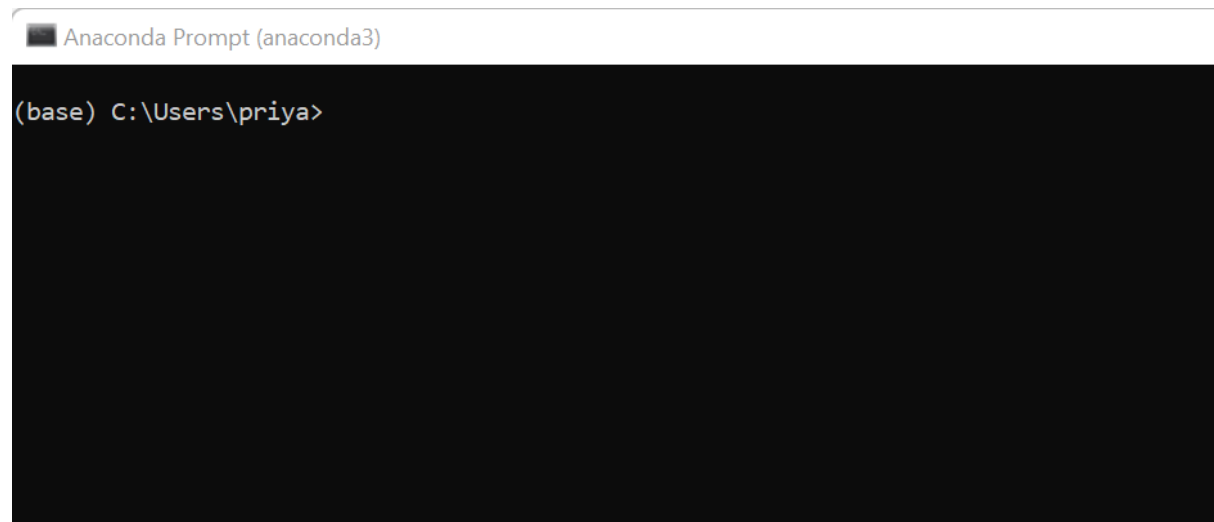
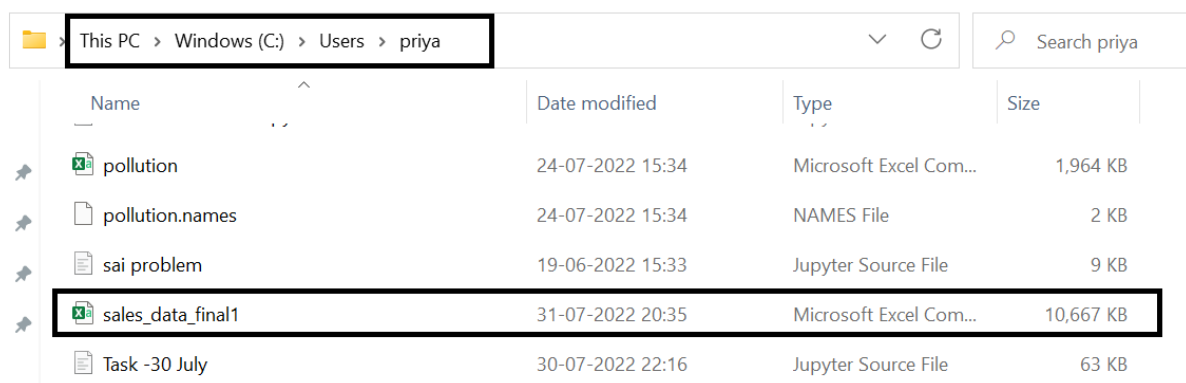


## How to create table structure by automation (with sqlkit) – By Priyanshu Garg

Step 1: Open anaconda Prompt



Step 2: change the directory where your csv file is available in anaconda prompt (for me its available in C:\Users\priya – which is default directory of anaconda)



Note : You can use command like `cd` and `ls` for proper navigation

Step 3: Type `pip install sqlkit` in anaconda Prompt and wait for installation

```
(base) C:\Users\priya>pip install sqlkit
Collecting sqlkit
  Using cached sqlkit-0.9.6.tar.gz (3.8 MB)
```

Step 4: Type command `csvsql --dialect mysql --snifflimit 100000 sales_data_final1.csv > output_sales.sql` in anaconda Prompt which means –

`csvsql` – my python library

`dialect mysql` – snifflimit 100000 – limit of rows available

`sales_data_final1.csv` – your csv file name

`output_sales.sql` – Generated file having name output\_sales with extension sql

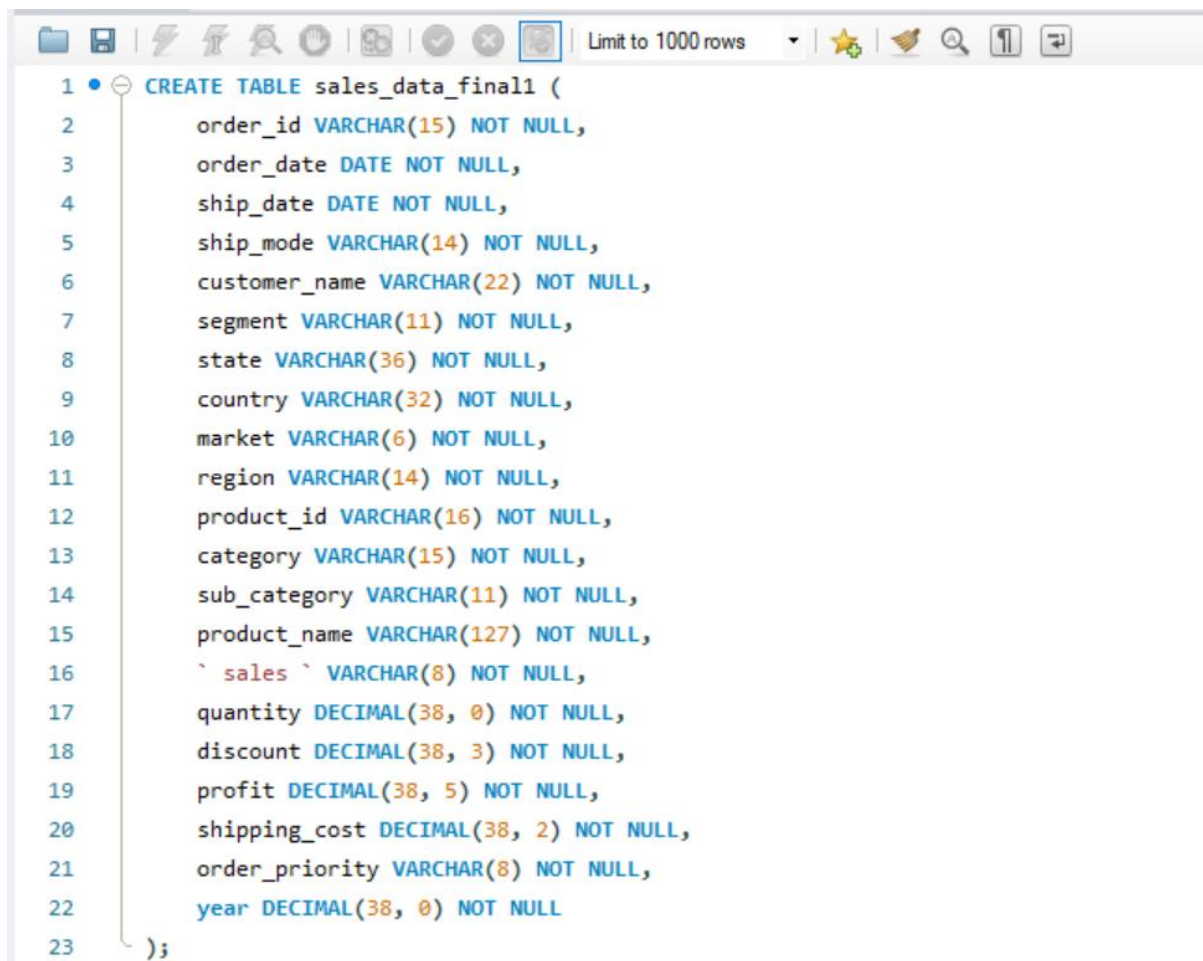
and wait till command completion

```
(base) C:\Users\priya>csvsql --dialect mysql --snifflimit 100000 sales_data_final1.csv > output_sales.sql
C:\Users\priya\anaconda3\lib\site-packages\win32\lib\pywintypes.py:2: DeprecationWarning: the imp module is deprecated in
favour of importlib; see the module's documentation for alternative uses
(base) C:\Users\priya>
```

Step 5: check your directory with file name `output_sales.sql`

This PC > Windows (C:) > Users > priya				
Search priya				
	Name	Date modified	Type	Size
	NTUSER.DAT	30-07-2022 00:11	DAT File	11,008 KB
	Online Retail (1)	24-07-2022 15:34	Microsoft Excel Work...	23,160 KB
	Online Retail	24-07-2022 15:34	Microsoft Excel Work...	23,160 KB
	online_retail_II (1)	24-07-2022 15:34	Microsoft Excel Work...	44,554 KB
	output_sales	31-07-2022 22:41	SQL Text File	1 KB
	PANDAS - 24 July	24-07-2022 16:43	Jupyter Source File	48 KB

And open it with mysql workbench



The image shows a screenshot of a SQL IDE window. The title bar includes a 'Limit to 1000 rows' dropdown. The main area contains a SQL query to create a table named 'sales\_data\_final1'. The query is as follows:

```
1 • CREATE TABLE sales_data_final1 (  
2     order_id VARCHAR(15) NOT NULL,  
3     order_date DATE NOT NULL,  
4     ship_date DATE NOT NULL,  
5     ship_mode VARCHAR(14) NOT NULL,  
6     customer_name VARCHAR(22) NOT NULL,  
7     segment VARCHAR(11) NOT NULL,  
8     state VARCHAR(36) NOT NULL,  
9     country VARCHAR(32) NOT NULL,  
10    market VARCHAR(6) NOT NULL,  
11    region VARCHAR(14) NOT NULL,  
12    product_id VARCHAR(16) NOT NULL,  
13    category VARCHAR(15) NOT NULL,  
14    sub_category VARCHAR(11) NOT NULL,  
15    product_name VARCHAR(127) NOT NULL,  
16    ` sales ` VARCHAR(8) NOT NULL,  
17    quantity DECIMAL(38, 0) NOT NULL,  
18    discount DECIMAL(38, 3) NOT NULL,  
19    profit DECIMAL(38, 5) NOT NULL,  
20    shipping_cost DECIMAL(38, 2) NOT NULL,  
21    order_priority VARCHAR(8) NOT NULL,  
22    year DECIMAL(38, 0) NOT NULL  
23 );
```