Screenshots

Result Exercise 1 –


```
(.venv) m6699@Mika:~/pyspark$ python3 car_producer.py
Connecting to Kafka...
Connected! Starting to read file: input/Electric_Vehicle_Population_Data.csv
Skipping header: VIN (1-10),County,City,State,Postal Code,Model Year,Make,Model,
Electric Vehicle Type,Clean Alternative Fuel Vehicle (CAFV) Eligibility,Electric
 Range,Base MSRP,Legislative District,DOL Vehicle ID,Vehicle Location,Electric U
tility,2020 Census Tract
Sent 10000 lines...
Sent 20000 lines...
Sent 30000 lines...
Sent 40000 lines...
Sent 50000 lines...
Sent 60000 lines...
Sent 70000 lines...
Sent 80000 lines...
Sent 90000 lines...
Sent 100000 lines...
Sent 110000 lines...
Sent 120000 lines...
Sent 130000 lines...
Sent 140000 lines...
Sent 150000 lines...
Finished! Total lines sent: 150482
(.venv) m6699@Mika:~/pyspark$
```

Result Exercise 2 –

```
------------------------------------------------
Batch: 0
------------------------------------------------

+----------+------------+-----+
|       vin|        city|state|
+----------+------------+-----+
|KM8K33AGXL|     Seattle|   WA|
|1C4RJYB61N|     Bothell|   WA|
|1C4RJYD61P|      Yakima|   WA|
|5YJ3E1EA7J|    Kirkland|   WA|
|WBY7Z8C5XJ|     Olympia|   WA|
|5YJ3E1EAXL|  Marysville|   WA|
|2C4RC1N77H|        Kent|   WA|
|5YJYGDEE3L| Woodinville|   WA|
|5YJ3E1EA1J|  Coupeville|   WA|
|7SAYGDEF0P|    Bellevue|   WA|
|5YJ3E1EA7J|    Kirkland|   WA|
|3FA6P0SU9G|Port Orchard|   WA|
|JTDKARFP9H|Port Orchard|   WA|
|5YJ3E1EB8K|    Mukilteo|   WA|
|5YJ3E1EA5K|     Redmond|   WA|
|3FA6P0SU0D|   Rochester|   WA|
|WA1VABGE4K|     Seattle|   WA|
|1N4AZ0CP6F|     Seattle|   WA|
|KNDCC3LD7K|   Bremerton|   WA|
|1N4AZ0CP1E|     Poulsbo|   WA|
+----------+------------+-----+
only showing top 20 rows
```

Result Exercise 3 –

```
------------------------------------------------
Batch: 0
------------------------------------------------

+--------+-----+
|    city|count|
+--------+-----+
| Seattle|11220|
|Bellevue| 4176|
| Tukwila| 3546|
+--------+-----+
```