

## Procesamiento de JSON Files

Github Link: <https://github.com/ingridzmendoza/Procesamiento-de-JSON-Files-con-GSON>

Evidencias:

**EJERCICIO 1 >> A partir del documento `car_sales.json`, generar un reporte que muestre el precio promedio para cada marca de carro.**

```

D:\Ingy\JDK\bin\java.exe "-javaagent:D:\Ingy\
Marca: | Promedio de Precios:
Lexus | $6396.90
Subaru | $6437.05
Chevrolet | $5565.87
Austin | $6556.41
Chrysler | $5934.02
Maserati | $5783.30
Infiniti | $5767.78
Suzuki | $5551.56
GMC | $6329.09
Lincoln | $6467.64
Hyundai | $7165.76
Eagle | $4930.05
Aston Martin | $5818.57
Acura | $6619.07
Kia | $5508.96
Pontiac | $5665.86
Plymouth | $5711.04
Saab | $6625.67
Mazda | $6997.13
Geo | $5165.49
Maybach | $7310.85
Toyota | $6334.95
Jaguar | $6863.25
Tesla | $4137.48
Mercedes-Benz | $5726.29
Daewoo | $8177.94
Volkswagen | $6502.58
Volvo | $5241.93
Saturn | $6312.96
Dodge | $5746.81
Audi | $5951.30
Honda | $5467.73
Ferrari | $3059.78
Morgan | $4948.39
Porsche | $7031.33
Scion | $5713.70
Oldsmobile | $6323.56
Isuzu | $5773.43
Oldsmobile | $6323.56
Isuzu | $5773.43
Rolls-Royce | $6075.51
Jeep | $6087.53
Buick | $5528.84
Mitsubishi | $5434.74
Lotus | $6026.24
BMW | $5936.19
Smart | $4470.32
Bentley | $6021.92
Cadillac | $5644.53
Land Rover | $6857.52
Lamborghini | $6835.91
Daihatsu | $3769.78
MINI | $5128.02
Ford | $6252.17
Hummer | $5641.19
Mercury | $5969.88
Nissan | $6803.67
Ram | $5081.41
Process finished with exit code 0

```

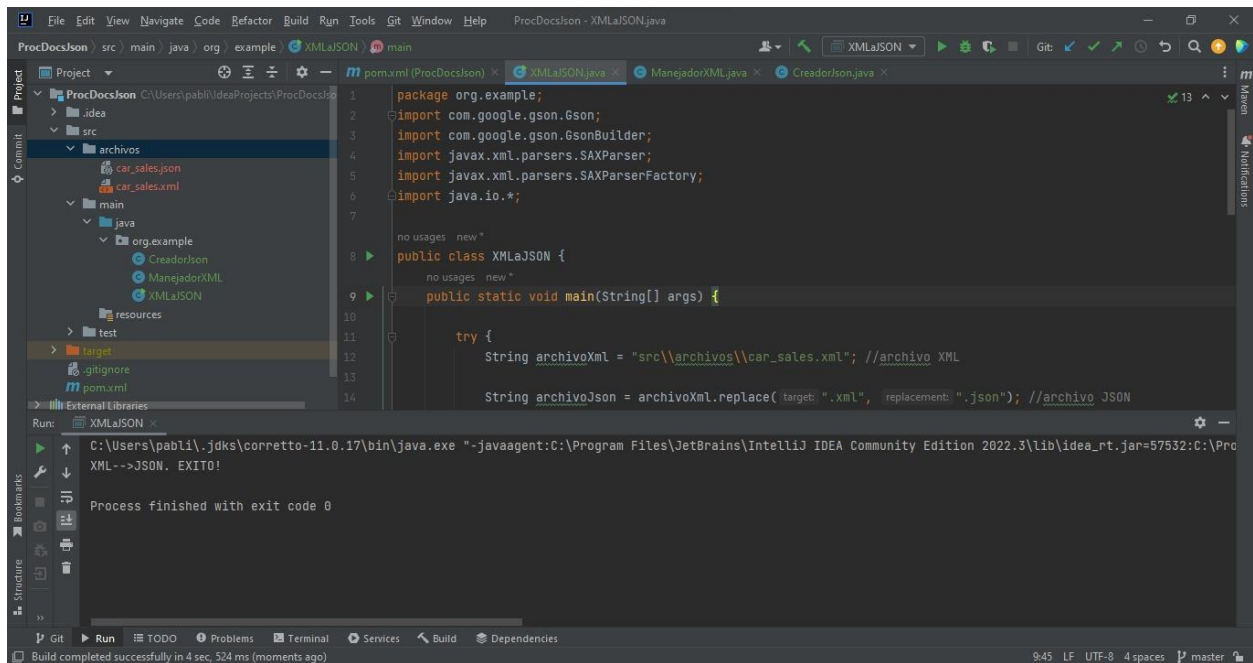
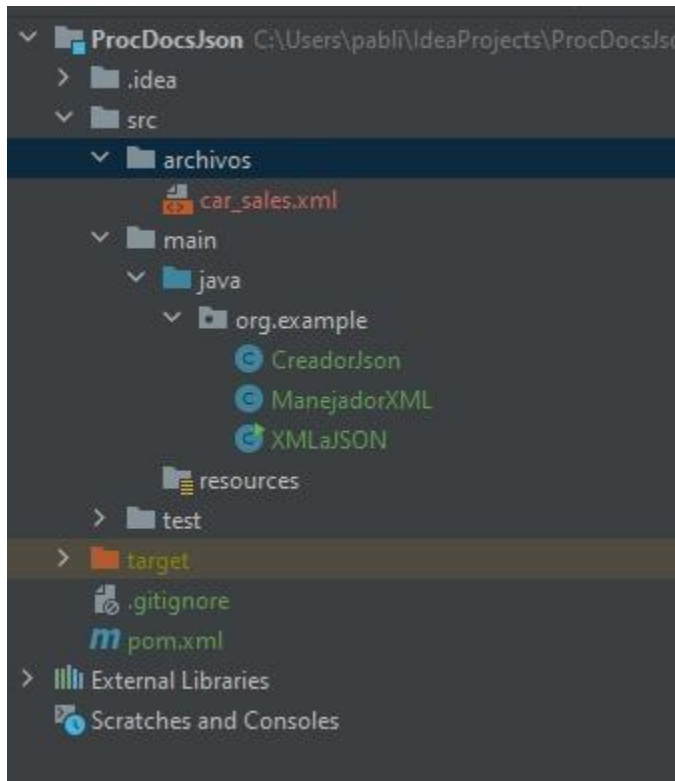
**EJERCICIO 2 >> Desarrollar una aplicación Swing que muestre el contenido del archivo car\_sales.json en un componente JTable.**

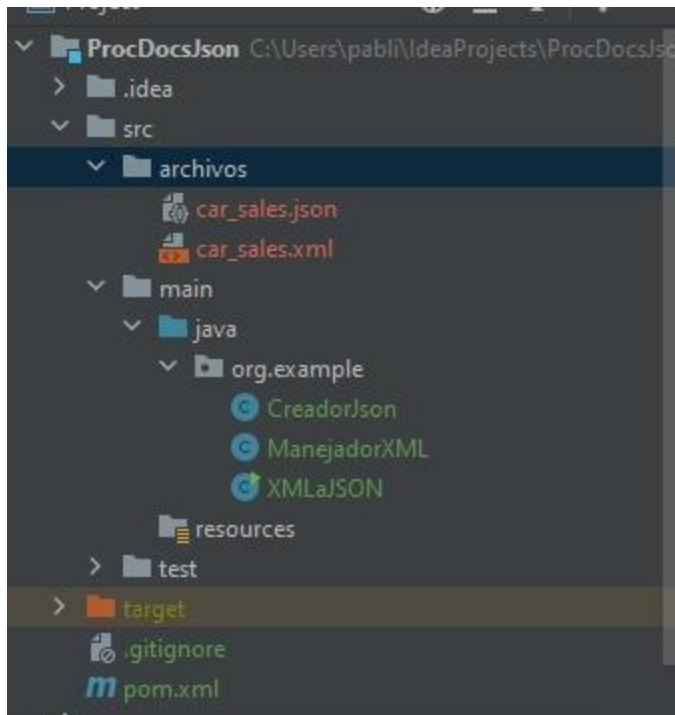
Contenido car_sales.json					
ID	First name	Last name	Car Brand	Price	State
1	"Correy"	"Michael"	"Dodge"	"\$6928.90"	"Indiana"
2	"Anica"	"Manterfield"	"BMW"	"\$6983.54"	"California"
3	"Minda"	"Sapsforde"	"Mercury"	"\$7136.28"	"California"
4	"Mair"	"Sitch"	"Porsche"	"\$2026.99"	"Texas"
5	"Aleen"	"Barnwill"	"Mitsubishi"	"\$7270.72"	"Michigan"
6	"Reade"	"Aughtie"	"Lexus"	"\$3220.34"	"Arkansas"
7	"Allis"	"Lochet"	"Mercedes-B...	"\$6293.94"	"Illinois"
8	"Belia"	"Bickley"	"Mercedes-B...	"\$7284.61"	"California"
9	"Kailey"	"Adamsson"	"Toyota"	"\$5703.77"	"Tennessee"
10	"Neill"	"Fratson"	"Cadillac"	"\$9393.57"	"Texas"
11	"Delly"	"Stillwell"	"Saab"	"\$2303.10"	"Pennsylvania"
12	"Angil"	"Wyon"	"Ford"	"\$8580.46"	"Texas"
13	"Kalila"	"Faithfull"	"Audi"	"\$5827.93"	"Illinois"
14	"Afton"	"Friman"	"Ford"	"\$8483.76"	"Texas"
15	"Patricio"	"Hayer"	"Porsche"	"\$8297.87"	"Texas"
16	"Ken"	"Swayton"	"Ford"	"\$4949.58"	"Missouri"
17	"Rosemonde"	"Arundale"	"Ford"	"\$9575.46"	"Connecticut"
18	"Tomasine"	"Colborn"	"Audi"	"\$6905.89"	"Louisiana"
19	"Ernst"	"De Domenici"	"Volkswagen"	"\$8301.90"	"Louisiana"
20	"Abigale"	"Gorton"	"Pontiac"	"\$9569.21"	"Minnesota"
21	"Adrianna"	"Batterham"	"Dodge"	"\$8843.70"	"Alabama"
22	"Golda"	"Nortunen"	"Chevrolet"	"\$3940.78"	"Texas"
23	"Brennen"	"Fenelon"	"BMW"	"\$5006.69"	"California"
24	"Rosene"	"Levane"	"Toyota"	"\$4947.10"	"New York"
25	"Morton"	"Yearn"	"Chevrolet"	"\$3963.69"	"Virginia"
26	"Casper"	"Dobbson"	"Suzuki"	"\$3911.37"	"Florida"
27	"Nani"	"English"	"Ford"	"\$7785.31"	"New York"
28	"Catha"	"Yegorkov"	"Saab"	"\$9622.23"	"New York"
29	"Aldin"	"Pues"	"Volvo"	"\$2784.65"	"Florida"
30	"Denny"	"Josum"	"Acura"	"\$9587.34"	"Connecticut"
31	"Delphine"	"Dunbleton"	"Kia"	"\$5910.99"	"Alaska"
32	"Janaye"	"Maryin"	"Oldsmobile"	"\$8697.47"	"Massachus...
33	"Lucius"	"Kennaway"	"Bentley"	"\$9239.60"	"New York"
34	"Winnie"	"Milward"	"Toyota"	"\$2819.85"	"Montana"
35	"Robert"	"Sellen"	"Ford"	"\$7439.54"	"Virginia"
36	"Lanny"	"Constant"	"Oldsmobile"	"\$9114.81"	"New York"
37	"Wit"	"Learoyd"	"Volkswagen"	"\$9918.70"	"Texas"
38	"Kirbee"	"Napier"	"Toyota"	"\$5068.08"	"California"
39	"Obadiah"	"Murrill"	"Ford"	"\$6264.57"	"Ohio"
40	"Port"	"Salway"	"Subaru"	"\$7271.07"	"Florida"
41	"Burl"	"McMurthy"	"Isuzu"	"\$7784.91"	"Illinois"
42	"Aubrey"	"Pierton"	"Nissan"	"\$9510.59"	"Florida"
43	"Sergio"	"Koppelman"	"Land Rover"	"\$4655.80"	"California"
44	"Brita"	"Aldritt"	"Kia"	"\$3333.39"	"District of Co...
45	"Bendicty"	"Diperaus"	"Audi"	"\$4896.77"	"Texas"
46	"Rakel"	"Rappoport"	"Ford"	"\$6109.11"	"Florida"

Contenido car\_sales.json

ID	First name	Last name	Car Brand	Price	State
47	"Ham"	"Cubbit"	"Mercury"	"\$5970.00"	"Florida"
48	"Zora"	"Pacey"	"Chevrolet"	"\$8701.30"	"Florida"
49	"Leia"	"McMoyer"	"Chevrolet"	"\$7737.06"	"Connecticut"
50	"Delphine"	"Haugh"	"Ford"	"\$8859.62"	"New York"
51	"Darda"	"Esler"	"Lexus"	"\$5615.83"	"Pennsylvania"
52	"Joe"	"Gooke"	"Dodge"	"\$2197.53"	"California"
53	"Raf"	"Dragon"	"Mercedes-B...	"\$8168.61"	"California"
54	"Thomasin"	"Melin"	"Lexus"	"\$7895.70"	"New Mexico"
55	"Kaylil"	"Daley"	"Nissan"	"\$2739.91"	"New York"
56	"Mari"	"Avramovsky"	"Chrysler"	"\$3533.96"	"District of Co..."
57	"Leupold"	"Foulkes"	"Subaru"	"\$2041.20"	"Texas"
58	"Cordula"	"Thaxton"	"Rolls-Royce"	"\$4561.54"	"California"
59	"Buddie"	"Dekeyser"	"Porsche"	"\$7771.29"	"Georgia"
60	"Brandise"	"Minto"	"Chevrolet"	"\$2409.99"	"Illinois"
61	"Sidonnie"	"Calcut"	"Hyundai"	"\$6041.85"	"Texas"
62	"Huey"	"Horsted"	"Mercedes-B..."	"\$3682.73"	"Kentucky"
63	"Dillon"	"Ballay"	"GMC"	"\$6411.95"	"West Virginia"
64	"Hyacinthie"	"Hassin"	"Ford"	"\$9001.09"	"Tennessee"
65	"Flossy"	"Eye"	"Saab"	"\$8390.07"	"Texas"
66	"Nonie"	"Cluderay"	"Lincoln"	"\$5526.03"	"Michigan"
67	"Ebonee"	"Fenge"	"Audi"	"\$8391.37"	"Alabama"
68	"Mandi"	"Jukes"	"Cadillac"	"\$5710.96"	"New York"
69	"Syman"	"Braunle"	"Suzuki"	"\$3973.85"	"Indiana"
70	"Bertine"	"Skirvin"	"Mercury"	"\$6610.76"	"Michigan"
71	"Bertina"	"Poundsford"	"Volkswagen"	"\$8715.99"	"Minnesota"
72	"Legra"	"Craighill"	"Audi"	"\$9412.97"	"California"
73	"Caty"	"Laise"	"GMC"	"\$6654.44"	"Texas"
74	"Lyn"	"Hurlston"	"Toyota"	"\$9527.89"	"Georgia"
75	"Garnet"	"Reddin"	"Ford"	"\$4868.66"	"Texas"
76	"Sean"	"Hail"	"Mitsubishi"	"\$5147.56"	"Texas"
77	"Minette"	"Conant"	"Mercedes-B..."	"\$5278.07"	"Tennessee"
78	"Michale"	"Tomsett"	"Lamborghini"	"\$3574.90"	"Louisiana"
79	"Jesse"	"Trood"	"Volvo"	"\$6104.52"	"Texas"
80	"Arlen"	"Pimblotte"	"Pontiac"	"\$5485.02"	"New York"
81	"Ulla"	"Petcher"	"Chevrolet"	"\$2893.54"	"California"
82	"Emelyne"	"Bage"	"Cadillac"	"\$8405.67"	"New York"
83	"Rabbi"	"Thake"	"Oldsmobile"	"\$8262.13"	"Connecticut"
84	"Giffer"	"Grimditch"	"Lexus"	"\$9525.55"	"Washington"
85	"Nigel"	"Smeeth"	"Ford"	"\$9851.37"	"Texas"
86	"Curry"	"Mash"	"Toyota"	"\$6941.70"	"Illinois"
87	"Quintin"	"Joanic"	"Volkswagen"	"\$9462.83"	"California"
88	"Tate"	"M'Quharg"	"Honda"	"\$2486.64"	"West Virginia"
89	"Isahella"	"Levitt"	"Dodge"	"\$5607.10"	"North Caroli..."
90	"Ragnar"	"MacTrustie"	"BMW"	"\$9434.99"	"Alabama"
91	"Benyamin"	"Mitcham"	"Ford"	"\$3047.07"	"Georgia"
92	"Webster"	"Belt"	"Ford"	"\$6528.89"	"Virginia"

**EJERCICIO 3 >> Desarrollar una aplicación que permita convertir un documento XML a su equivalente JSON. Probar tu aplicación con el documento car\_sales.xml.**





## Documento XML

```
This document contains very long lines. Soft wraps were enabled to improve editor performance. Hide notification Don't show again
1 <?xml version='1.0' encoding='UTF-8'?>
2 <car_sales>
3 <sale><id>1</id><first_name>Goldy</first_name><last_name>Giovanni</last_name><car>Lamborghini</car><price>$5057
  .49</price><state>Massachusetts</state></sale><sale><id>2</id><first_name>LorettaLorna</first_name><last_name
  >Cubuzzi</last_name><car>Volvo</car><price>$2903
  .12</price><state>Oklahoma</state></sale><sale><id>3</id><first_name>Pauline</first_name><last_name>Goullee
  </last_name><car>Mitsubishi</car><price>$5380.60</price><state>New
  York</state></sale><sale><id>4</id><first_name>Reynard</first_name><last_name>Lethibridge</last_name><car
  >Chevrolet</car><price>$2368.12</price><state>New
  Jersey</state></sale><sale><id>5</id><first_name>Marlo</first_name><last_name>Flieger</last_name><car>Hummer
  </car><price>$2251.88</price><state>Tennessee</state></sale><sale><id>6</id><first_name>Bastian</first_name
  ><last_name>Karczinski</last_name><car>GMC</car><price>$2901
  .88</price><state>Missouri</state></sale><sale><id>7</id><first_name>Noble</first_name><last_name>Fishleigh
  </last_name><car>Toyota</car><price>$5885.32</price><state>Oklahoma</state></sale><sale><id>8</id><first_name
```

## Documento JSON

```
m pom.xml (ProcDocsJson) x XMLaJSON.java x car_sales.json x car_sales.xml x ManejadorXML.java x CreadorJson.java x
1 [{"id":1,"first_name":"Goldy","last_name":"Giovanni","car":"Lamborghini","price":"$5057.49",
  "state":"Massachusetts","sale":"Massachusetts"},{"id":2,"first_name":"LorettaLorna",
  "last_name":"Cubuzzi","car":"Volvo","price":"$2903.12","state":"Oklahoma",
  "sale":"Oklahoma"},{"id":3,"first_name":"Pauline","last_name":"Goullee","car":"Mitsubishi",
  "price":"$5380.60","state":"New York","sale":"New York"},{"id":4,"first_name":"Reynard",
  "last_name":"Lethibridge","car":"Chevrolet","price":"$2368.12","state":"New Jersey",
  "sale":"New Jersey"},{"id":5,"first_name":"Marlo","last_name":"Flieger","car":"Hummer",
  "price":"$2251.88","state":"Tennessee","sale":"Tennessee"},{"id":6,"first_name":"Bastian",
  "last_name":"Karczinski","car":"GMC","price":"$2901.88","state":"Missouri",
  "sale":"Missouri"},{"id":7,"first_name":"Noble","last_name":"Fishleigh","car":"Toyota",
  "price":"$5885.32","state":"Oklahoma","sale":"Oklahoma"},{"id":8,"first_name":"Erasmus",
  "last_name":"Pilch","car":"Chevrolet","price":"$2382.18","state":"Indiana",
  "sale":"Indiana"},{"id":9,"first_name":"Yetty","last_name":"Walsham","car":"Infiniti",
  "price":"$7869.11","state":"Michigan","sale":"Michigan"},{"id":10,"first_name":"Antonin",
  "last_name":"Muncie","car":"Ford","price":"$5512.88","state":"North Carolina","sale":"North
```