Desarrollo de Sistemas III

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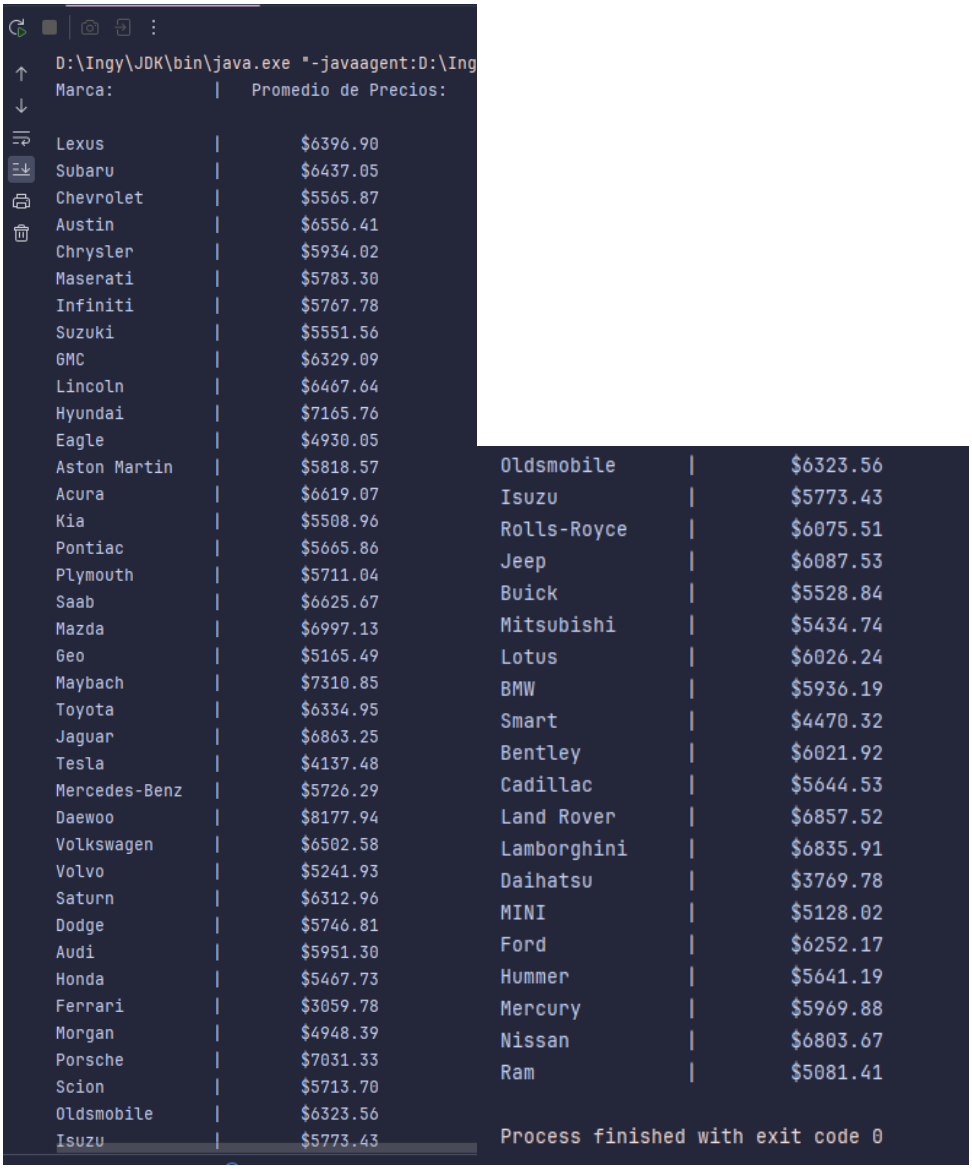
Procesamiento de JSON Files

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

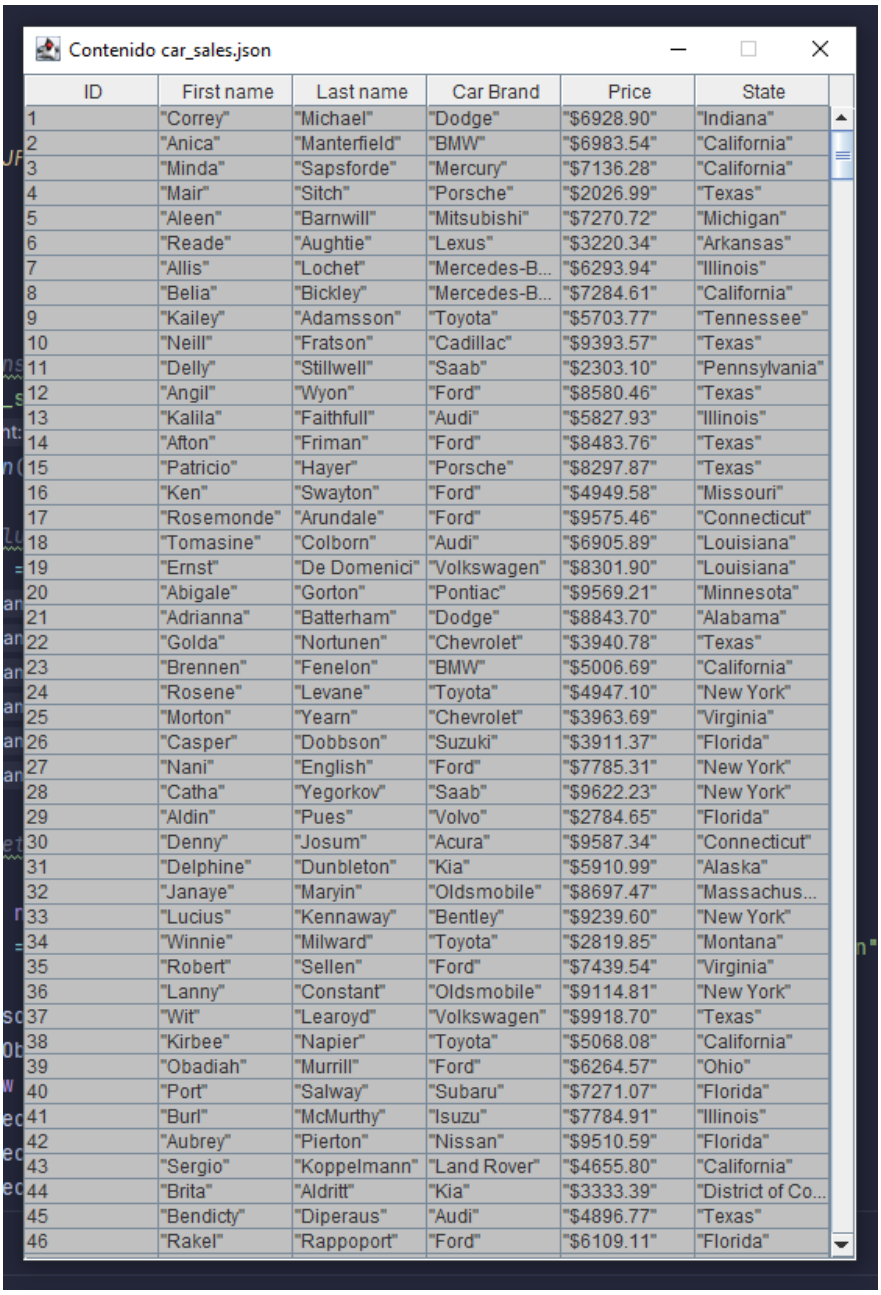
Evidencias:

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

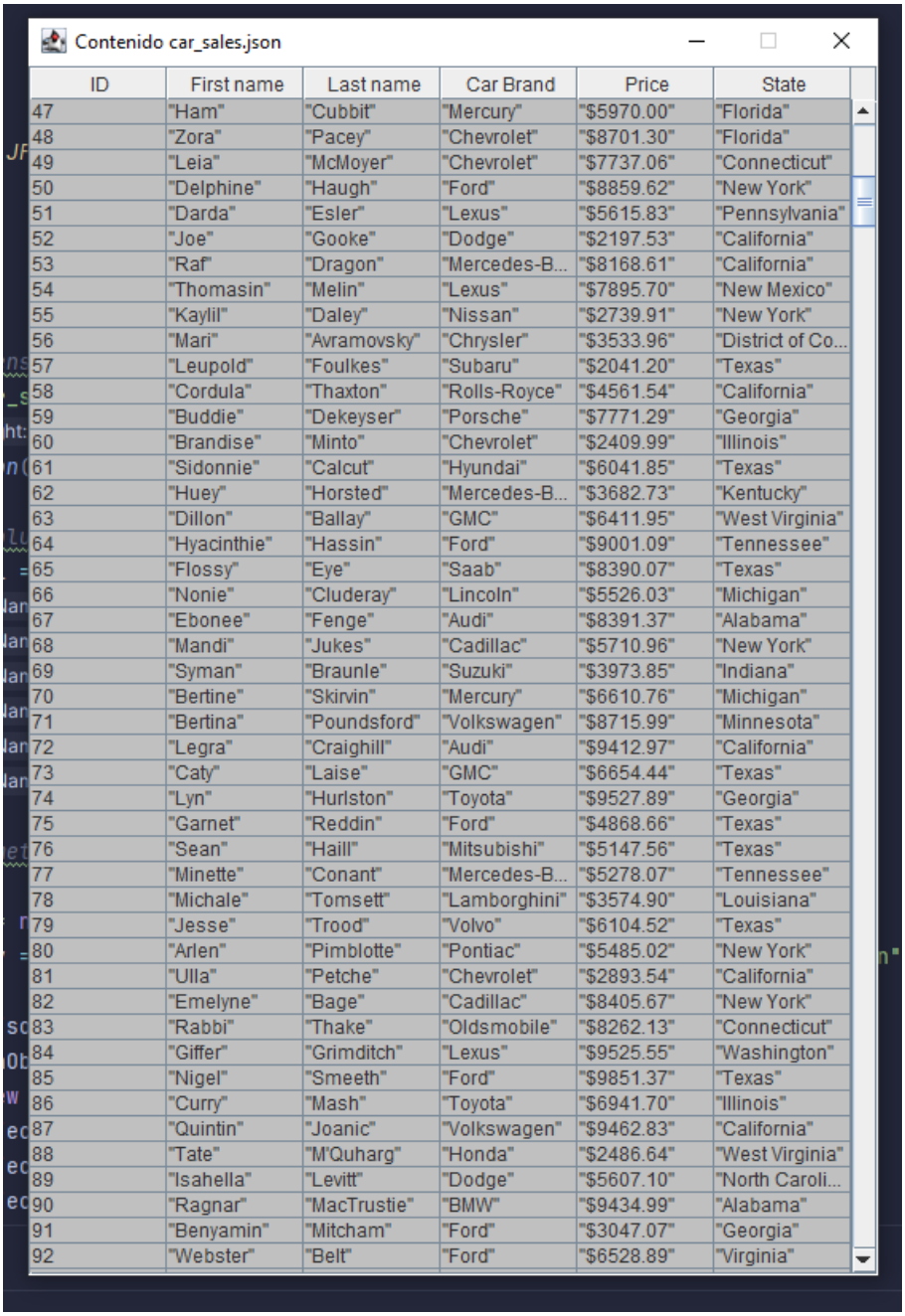


```
D:\Ingy\JDK\bin\java.exe "-javaagent:D:\Ing
Marca:          |   Promedio de Precios:

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.

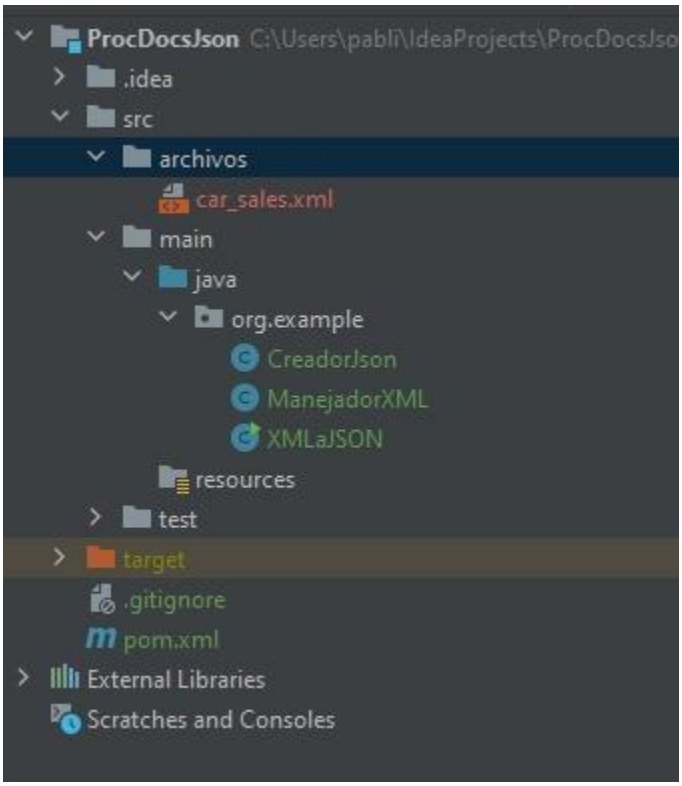


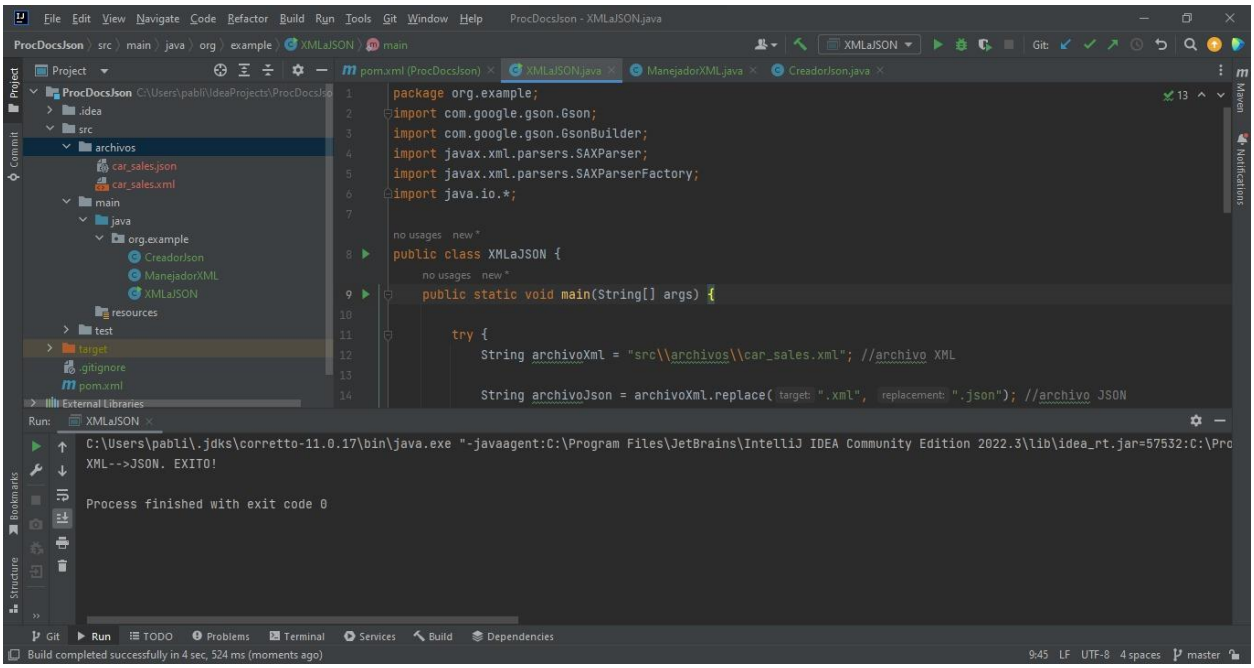
ID	First name	Last name	Car Brand	Price	State
1	"Correy"	"Michael"	"Dodge"	"$6928.90"	"Indiana"
2	"Anica"	"Manterfield"	"BMW"	"$6983.54"	"California"
3	"Minda"	"Sapsforde"	"Mercury"	"$7136.28"	"California"
4	"Mair"	"Sitch"	"Porsche"	"$2026.99"	"Texas"
5	"Aleen"	"Barnwill"	"Mitsubishi"	"$7270.72"	"Michigan"
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"	"Koppelmann"	"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"

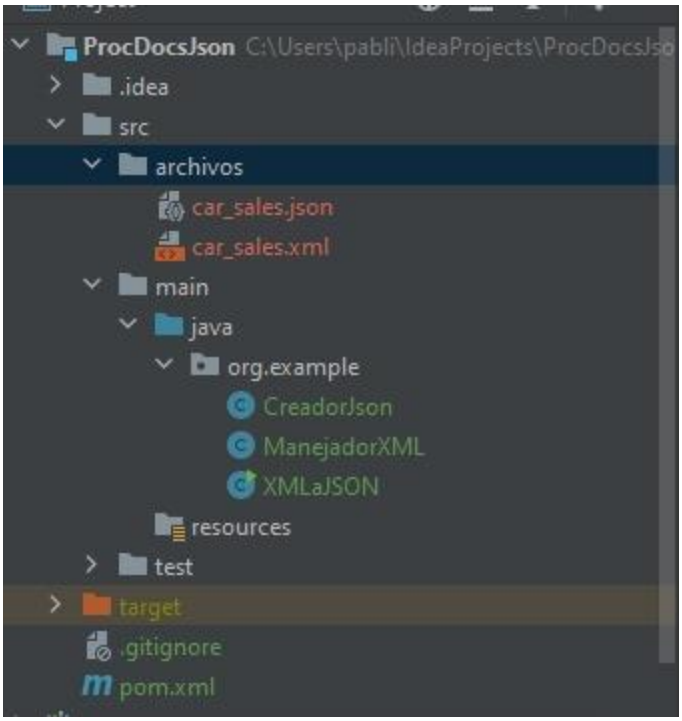


ID	First name	Last name	Car Brand	Price	State
47	"Ham"	"Cubbit"	"Mercury"	"$5970.00"	"Florida"
48	"Zora"	"Pacey"	"Chevrolet"	"$8701.30"	"Florida"
49	"Leia"	"McMoyer"	"Chevrolet"	"$7737.06"	"Connecticut"
50	"Delphine"	"Haugh"	"Ford"	"$8859.62"	"New York"
51	"Darda"	"Esler"	"Lexus"	"$5615.83"	"Pennsylvania"
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"	"Haill"	"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"	"Petche"	"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"

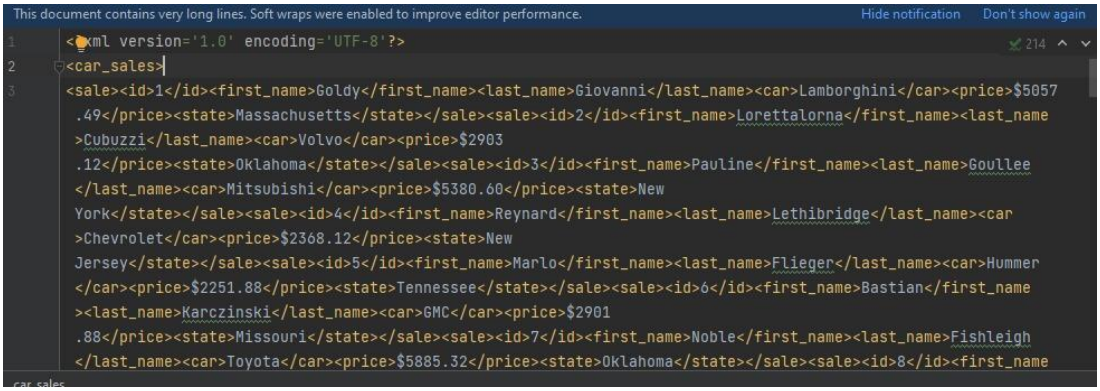
EJERCICIO 3 >> Desarrollar una aplicación que permita convertir un documento XML a su equivalente JSON. Probar tu aplicación con el documento car_sales.xml.







Documento XML



Documento JSON