In [9]: In [10]:	<pre>import pandas as pd from sqlalchemy import create_engine  user = 'postgres' port = '5432' db = 'may'</pre>
In [11]: In [24]:	<pre>host = 'localhost' pwd = '****'  engine = create_engine(f"postgresql://{user}:{pwd}@{host}:{port}/{db}")  order_sql = "SELECT_make, model, price_EROM_car:"</pre>
	<pre>order_sql = "SELECT make, model, price FROM car;" cars = pd.read_sql_query(order_sql, engine) print(cars)  make</pre>
	4 GMC Jimmy 2916.69 95 Pontiac Montana 9378.56 96 Buick Coachbuilder 9069.88 97 Hyundai Santa Fe 7640.71 98 GMC Envoy 5013.41 99 Volkswagen Golf III 2693.57
In [22]: In [25]:	<pre>[100 rows x 3 columns]  df = pd.DataFrame(cars) df.to_csv (r'/Users/chukwunonsodavid/Downloads/car.csv', index = False)  import csv</pre>
In [26]: In [27]:	<pre>with open('/Users/chukwunonsodavid/Downloads/car.csv', newline='') as f:     reader = csv.reader(f)     data = list(reader)</pre> data
Out[27]:	[['make', 'model', 'price'], ['Hyundai', 'Elantra', '8118.17'], ['Ford', 'F-Series', '3575.86'], ['Toyota', 'TundraMax', '2180.36'], ['Chevrolet', 'Suburban 1500', '3112.8'], ['GMC', 'Jimmy', '2916.69'], ['Dodge', 'Caravan', '8536.79'],
	['Chevrolet', 'Tahoe', '6971.71'], ['Subaru', 'Impreza', '9163.17'], ['Dodge', 'Viper', '1913.57'], ['Scion', 'xB', '8090.91'], ['Audi', 'S4', '6004.54'], ['Bentley', 'Continental GTC', '1236.22'], ['Subaru', 'Impreza', '5496.39'], ['Nissan', 'Altima', '6779.28'],
	['Toyota', 'Celica', '6071.17'], ['Isuzu', 'Axiom', '9461.07'], ['Mitsubishi', 'Eclipse', '5787.98'], ['Mitsubishi', 'Galant', '7293.04'], ['Nissan', 'Titan', '3687.63'], ['Ford', 'Expedition EL', '4497.77'], ['Mercedes-Benz', 'C-Class', '5622.98'], ['Pontiac', 'Montana SV6', '5845.84'],
	['Chevrolet', 'Classic', '6426.44'], ['Land Rover', 'Range Rover Classic', '3751.98'], ['Isuzu', 'i-290', '9916.52'], ['Dodge', 'Ram 2500', '4394.21'], ['Suzuki', 'SJ', '9850.64'], ['Pontiac', 'G6', '9732.28'], ['Eagle', 'Talon', '7749.72'], ['Acura', 'TL', '1643.03'], ['Pontiac', 'Montana', '2204.06'],
	['Chevrolet', 'Silverado 3500', '6085.31'], ['Lotus', 'Exige', '8339.48'], ['Mercedes-Benz', 'SL-Class', '3827.61'], ['Ford', 'Explorer Sport', '1570.4'], ['Honda', 'S2000', '6322.97'], ['Volkswagen', 'GTI', '4185.77'], ['Volvo', 'C70', '9500.06'], ['Volkswagen', 'Passat', '1351.91'],
	['Subaru', 'Forester', '1159.65'], ['Nissan', 'Frontier', '5268.99'], ['Chevrolet', 'Monte Carlo', '7101.08'], ['Ford', 'E350', '2264.48'], ['Mercury', 'Lynx', '2523.24'], ['Honda', 'Accord', '4367.61'], ['Ford', 'Thunderbird', '5234.01'], ['Honda', 'Accord', '1754.76'], ['Jeep', 'Grand Cherokee', '6399.58'],
	['Lotus', 'Esprit', '9556.46'], ['Chrysler', 'Sebring', '3710.23'], ['Volkswagen', 'Eurovan', '7056.01'], ['Hummer', 'H3', '4396.99'], ['Ford', 'E-Series', '4023.68'], ['Suzuki', 'SJ', '9975.88'], ['Citroën', '2CV', '7444.65'], ['Infiniti', 'G', '8159.48'],
	['Lotus', 'Esprit', '8737.36'], ['Ford', 'Thunderbird', '1689.17'], ['Land Rover', 'Range Rover', '4510.86'], ['Acura', 'NSX', '1313.03'], ['BMW', 'X3', '3124.58'], ['Ford', 'Escort', '6803.01'], ['Ford', 'Excursion', '3550.62'], ['Ford', 'Focus', '4192.32'], ['Land Rover', 'Freelander', '9803.25'],
	['Toyota', 'Camry', '2395.94'], ['Mitsubishi', 'Eclipse', '5044.14'], ['Toyota', 'T100', '1244.64'], ['Suzuki', 'Grand Vitara', '4433.83'], ['Mazda', 'RX-7', '9554.13'], ['Mercury', 'Lynx', '1722.21'], ['Nissan', 'Versa', '5735.8'], ['Audi', 'S6', '1834.99'],
	['Jeep', 'Wrangler', '2546.62'], ['Chrysler', 'Concorde', '1643.31'], ['GMC', 'Safari', '5374.73'], ['Hyundai', 'Scoupe', '4404.77'], ['BMW', 'M5', '5324.2'], ['Ford', 'F150', '7127.88'], ['Oldsmobile', '98', '3589.84'], ['Oldsmobile', 'Achieva', '2786.0'], ['Pontiac', 'Grand Prix', '7273.47'],
	['Mercedes-Benz', 'W201', '2528.78'], ['McLaren', 'MP4-12C', '3522.95'], ['Mercury', 'Topaz', '6985.56'], ['Isuzu', 'Rodeo', '8027.91'], ['Mitsubishi', 'Lancer', '7883.24'], ['Buick', 'Regal', '2171.98'], ['Ford', 'F450', '6662.7'], ['Kia', 'Optima', '5530.28'],
	['Mazda', '929', '6009.85'], ['Chrysler', 'Town & Country', '5645.77'], ['Saturn', 'L-Series', '9649.27'], ['Lexus', 'SC', '4967.03'], ['Volvo', 'S40', '8132.56'], ['Pontiac', 'Montana', '9378.56'], ['Buick', 'Coachbuilder', '9069.88'], ['Hyundai', 'Santa Fe', '7640.71'], ['GMC', 'Envoy', '5013.41'],
In [28]:	<pre>with open('/Users/chukwunonsodavid/Downloads/car.csv', newline='') as f:     reader = csv.reader(f)     data = [tuple(row) for row in reader]</pre>
	<pre>[('make', 'model', 'price'),     ('Hyundai', 'Elantra', '8118.17'),     ('Ford', 'F-Series', '3575.86'),     ('Toyota', 'TundraMax', '2180.36'),     ('Chevrolet', 'Suburban 1500', '3112.8'),     ('GMC', 'Jimmy', '2916.69'),     ('Dodge', 'Caravan', '8536.79'),</pre>
	('Chevrolet', 'Tahoe', '6971.71'), ('Subaru', 'Impreza', '9163.17'), ('Dodge', 'Viper', '1913.57'), ('Scion', 'xB', '8090.91'), ('Audi', 'S4', '6004.54'), ('Bentley', 'Continental GTC', '1236.22'), ('Subaru', 'Impreza', '5496.39'), ('Nissan', 'Altima', '6779.28'),
	('Toyota', 'Celica', '6071.17'), ('Isuzu', 'Axiom', '9461.07'), ('Mitsubishi', 'Eclipse', '5787.98'), ('Mitsubishi', 'Galant', '7293.04'), ('Nissan', 'Titan', '3687.63'), ('Ford', 'Expedition EL', '4497.77'), ('Mercedes-Benz', 'C-Class', '5622.98'), ('Pontiac', 'Montana SV6', '5845.84'), ('Chevrolet', 'Classic', '6426.44'),
	('Land Rover', 'Range Rover Classic', '3751.98'),  ('Isuzu', 'i-290', '9916.52'),  ('Dodge', 'Ram 2500', '4394.21'),  ('Suzuki', 'SJ', '9850.64'),  ('Pontiac', 'G6', '9732.28'),  ('Eagle', 'Talon', '7749.72'),  ('Acura', 'TL', '1643.03'),  ('Pontiac', 'Montana', '2204.06'),
	('Chevrolet', 'Silverado 3500', '6085.31'), ('Lotus', 'Exige', '8339.48'), ('Mercedes-Benz', 'SL-Class', '3827.61'), ('Ford', 'Explorer Sport', '1570.4'), ('Honda', 'S2000', '6322.97'), ('Volkswagen', 'GTI', '4185.77'), ('Volvo', 'C70', '9500.06'), ('Volkswagen', 'Passat', '1351.91'), ('Subaru', 'Forester', '1159.65'),
	('Nissan', 'Frontier', '5268.99'), ('Chevrolet', 'Monte Carlo', '7101.08'), ('Ford', 'E350', '2264.48'), ('Mercury', 'Lynx', '2523.24'), ('Honda', 'Accord', '4367.61'), ('Ford', 'Thunderbird', '5234.01'), ('Honda', 'Accord', '1754.76'), ('Jeep', 'Grand Cherokee', '6399.58'), ('Lotus', 'Esprit', '9556.46'),
	('Chrysler', 'Sebring', '3710.23'), ('Volkswagen', 'Eurovan', '7056.01'), ('Hummer', 'H3', '4396.99'), ('Ford', 'E-Series', '4023.68'), ('Suzuki', 'SJ', '9975.88'), ('Citroën', '2CV', '7444.65'), ('Infiniti', 'G', '8159.48'), ('Lotus', 'Esprit', '8737.36'),
	('Ford', 'Thunderbird', '1689.17'), ('Land Rover', 'Range Rover', '4510.86'), ('Acura', 'NSX', '1313.03'), ('BMW', 'X3', '3124.58'), ('Ford', 'Escort', '6803.01'), ('Ford', 'Excursion', '3550.62'), ('Ford', 'Focus', '4192.32'), ('Land Rover', 'Freelander', '9803.25'), ('Toyota', 'Camry', '2395.94'),
	('Mitsubishi', 'Eclipse', '5044.14'), ('Toyota', 'T100', '1244.64'), ('Suzuki', 'Grand Vitara', '4433.83'), ('Mazda', 'RX-7', '9554.13'), ('Mercury', 'Lynx', '1722.21'), ('Nissan', 'Versa', '5735.8'), ('Audi', 'S6', '1834.99'), ('Jeep', 'Wrangler', '2546.62'), ('Chrysler', 'Concorde', '1643.31'),
	('GMC', 'Safari', '5374.73'), ('Hyundai', 'Scoupe', '4404.77'), ('BMW', 'M5', '5324.2'), ('Ford', 'F150', '7127.88'), ('Oldsmobile', '98', '3589.84'), ('Oldsmobile', 'Achieva', '2786.0'), ('Pontiac', 'Grand Prix', '7273.47'), ('Mercedes-Benz', 'W201', '2528.78'), ('McLaren', 'MP4-12C', '3522.95'),
	('Mercury', 'Topaz', '6985.56'), ('Isuzu', 'Rodeo', '8027.91'), ('Mitsubishi', 'Lancer', '7883.24'), ('Buick', 'Regal', '2171.98'), ('Ford', 'F450', '6662.7'), ('Kia', 'Optima', '5530.28'), ('Mazda', '929', '6009.85'), ('Chrysler', 'Town & Country', '5645.77'), ('Saturn', 'L-Series', '9649.27'),
In [37]:	('Lexus', 'SC', '4967.03'), ('Volvo', 'S40', '8132.56'), ('Pontiac', 'Montana', '9378.56'), ('Buick', 'Coachbuilder', '9069.88'), ('Hyundai', 'Santa Fe', '7640.71'), ('GMC', 'Envoy', '5013.41'), ('Volkswagen', 'Golf III', '2693.57')]
In [48]:	<pre>with open('/Users/chukwunonsodavid/Downloads/car.csv', newline='') as f:     data = [dict(i) for i in csv.DictReader(f)]  data  [{'make': 'Hyundai', 'model': 'Elantra', 'price': '8118.17'},     {'make': 'Ford', 'model': 'F-Series', 'price': '3575.86'},</pre>
	<pre>{'make': 'Toyota', 'model': 'TundraMax', 'price': '2180.36'},  {'make': 'Chevrolet', 'model': 'Suburban 1500', 'price': '3112.8'},  {'make': 'GMC', 'model': 'Jimmy', 'price': '2916.69'},  {'make': 'Dodge', 'model': 'Caravan', 'price': '8536.79'},  {'make': 'Chevrolet', 'model': 'Tahoe', 'price': '6971.71'},  {'make': 'Subaru', 'model': 'Impreza', 'price': '9163.17'},  {'make': 'Dodge', 'model': 'Viper', 'price': '1913.57'},  {'make': 'Scion', 'model': 'xB', 'price': '8090.91'},  {'make': 'Audi', 'model': 'S4', 'price': '6004.54'},</pre>
	<pre>{ 'make': 'Bentley', 'model': 'Continental GTC', 'price': '1236.22'},</pre>
	<pre>{'make': 'Ford', 'model': 'Expedition EL', 'price': '4497.77'}, {'make': 'Mercedes-Benz', 'model': 'C-Class', 'price': '5622.98'}, {'make': 'Pontiac', 'model': 'Montana SV6', 'price': '5845.84'}, {'make': 'Chevrolet', 'model': 'Classic', 'price': '6426.44'}, {'make': 'Land Rover', 'model': 'Range Rover Classic', 'price': '3751.98'}, {'make': 'Isuzu', 'model': 'i-290', 'price': '9916.52'}, {'make': 'Dodge', 'model': 'Ram 2500', 'price': '4394.21'}, {'make': 'Suzuki', 'model': 'SJ', 'price': '9850.64'},</pre>
	<pre>{'make': 'Pontiac', 'model': 'G6', 'price': '9732.28'}, {'make': 'Eagle', 'model': 'Talon', 'price': '7749.72'}, {'make': 'Acura', 'model': 'TL', 'price': '1643.03'}, {'make': 'Pontiac', 'model': 'Montana', 'price': '2204.06'}, {'make': 'Chevrolet', 'model': 'Silverado 3500', 'price': '6085.31'}, {'make': 'Lotus', 'model': 'Exige', 'price': '8339.48'}, {'make': 'Mercedes-Benz', 'model': 'SL-Class', 'price': '3827.61'}, {'make': 'Ford', 'model': 'Explorer Sport', 'price': '1570.4'}, {'make': 'Honda', 'model': 'S2000', 'price': '6322.97'},</pre>
	<pre>{'make': 'Volkswagen', 'model': 'GTI', 'price': '4185.77'}, {'make': 'Volvo', 'model': 'C70', 'price': '9500.06'}, {'make': 'Volkswagen', 'model': 'Passat', 'price': '1351.91'}, {'make': 'Subaru', 'model': 'Forester', 'price': '1159.65'}, {'make': 'Nissan', 'model': 'Frontier', 'price': '5268.99'}, {'make': 'Chevrolet', 'model': 'Monte Carlo', 'price': '7101.08'}, {'make': 'Ford', 'model': 'E350', 'price': '2264.48'}, {'make': 'Mercury', 'model': 'Lynx', 'price': '2523.24'}, {'make': 'Honda', 'model': 'Accord', 'price': '4367.61'},</pre>
	<pre>{'make': 'Ford', 'model': 'Thunderbird', 'price': '5234.01'}, {'make': 'Honda', 'model': 'Accord', 'price': '1754.76'}, {'make': 'Jeep', 'model': 'Grand Cherokee', 'price': '6399.58'}, {'make': 'Lotus', 'model': 'Esprit', 'price': '9556.46'}, {'make': 'Chrysler', 'model': 'Sebring', 'price': '3710.23'}, {'make': 'Volkswagen', 'model': 'Eurovan', 'price': '7056.01'}, {'make': 'Hummer', 'model': 'H3', 'price': '4396.99'}, {'make': 'Ford', 'model': 'E-Series', 'price': '4023.68'},</pre>
	<pre>{'make': 'Suzuki', 'model': 'SJ', 'price': '9975.88'}, {'make': 'Citroën', 'model': '2CV', 'price': '7444.65'}, {'make': 'Infiniti', 'model': 'G', 'price': '8159.48'}, {'make': 'Lotus', 'model': 'Esprit', 'price': '8737.36'}, {'make': 'Ford', 'model': 'Thunderbird', 'price': '1689.17'}, {'make': 'Land Rover', 'model': 'Range Rover', 'price': '4510.86'}, {'make': 'Acura', 'model': 'NSX', 'price': '1313.03'}, {'make': 'BMW', 'model': 'X3', 'price': '3124.58'}, {'make': 'Ford', 'model': 'Escort', 'price': '6803.01'},</pre>
	<pre>{'make': 'Ford', 'model': 'Excursion', 'price': '3550.62'}, {'make': 'Ford', 'model': 'Focus', 'price': '4192.32'}, {'make': 'Land Rover', 'model': 'Freelander', 'price': '9803.25'}, {'make': 'Toyota', 'model': 'Camry', 'price': '2395.94'}, {'make': 'Mitsubishi', 'model': 'Eclipse', 'price': '5044.14'}, {'make': 'Toyota', 'model': 'T100', 'price': '1244.64'}, {'make': 'Suzuki', 'model': 'Grand Vitara', 'price': '4433.83'}, {'make': 'Mazda', 'model': 'RX-7', 'price': '9554.13'}, {'make': 'Mercury', 'model': 'Lynx', 'price': '1722.21'},</pre>
	<pre>{'make': 'Nissan', 'model': 'Versa', 'price': '5735.8'}, {'make': 'Audi', 'model': 'S6', 'price': '1834.99'}, {'make': 'Jeep', 'model': 'Wrangler', 'price': '2546.62'}, {'make': 'Chrysler', 'model': 'Concorde', 'price': '1643.31'}, {'make': 'GMC', 'model': 'Safari', 'price': '5374.73'}, {'make': 'Hyundai', 'model': 'Scoupe', 'price': '4404.77'}, {'make': 'BMW', 'model': 'M5', 'price': '5324.2'}, {'make': 'Ford', 'model': 'F150', 'price': '7127.88'}, {'make': 'Oldsmobile', 'model': '98', 'price': '3589.84'},</pre>
	<pre>{'make': 'Oldsmobile', 'model': 'Achieva', 'price': '2786.0'}, {'make': 'Pontiac', 'model': 'Grand Prix', 'price': '7273.47'}, {'make': 'Mercedes-Benz', 'model': 'W201', 'price': '2528.78'}, {'make': 'McLaren', 'model': 'MP4-12C', 'price': '3522.95'}, {'make': 'Mercury', 'model': 'Topaz', 'price': '6985.56'}, {'make': 'Isuzu', 'model': 'Rodeo', 'price': '8027.91'}, {'make': 'Mitsubishi', 'model': 'Lancer', 'price': '7883.24'}, {'make': 'Buick', 'model': 'Regal', 'price': '2171.98'}, {'make': 'Ford', 'model': 'F450', 'price': '6662.7'},</pre>
	<pre>{'make': 'Kia', 'model': 'Optima', 'price': '5530.28'}, {'make': 'Mazda', 'model': '929', 'price': '6009.85'}, {'make': 'Chrysler', 'model': 'Town &amp; Country', 'price': '5645.77'}, {'make': 'Saturn', 'model': 'L-Series', 'price': '9649.27'}, {'make': 'Lexus', 'model': 'SC', 'price': '4967.03'}, {'make': 'Volvo', 'model': 'S40', 'price': '8132.56'}, {'make': 'Pontiac', 'model': 'Montana', 'price': '9378.56'}, {'make': 'Buick', 'model': 'Coachbuilder', 'price': '9069.88'}, {'make': 'Hyundai', 'model': 'Santa Fe', 'price': '7640.71'},</pre>
In [111	<pre>{'make': 'GMC', 'model': 'Envoy', 'price': '5013.41'}, {'make': 'Volkswagen', 'model': 'Golf III', 'price': '2693.57'}]  make=[] model=[] price=[] with open('/Users/chukwunonsodavid/Downloads/car.csv', newline='') as f:     reader = csv.reader(f)</pre>
	<pre>data = list(reader)  for d in data:     make.append(d[0])     model.append(d[1])     price.append(d[2])  cars = zip(make, model, price)</pre>
	<pre>for m, mo, p in cars:     print(f'car: \t'+ m + '\t' + mo +'\t' + p)  car:    make    model    price car:    Hyundai    Elantra   8118.17 car:    Ford    F-Series</pre>
	car:       GMC       Jimmy       2916.69         car:       Dodge       Caravan       8536.79         car:       Chevrolet       Tahoe       6971.71         car:       Subaru       Impreza       9163.17         car:       Dodge       Viper       1913.57         car:       Scion       xB       8090.91         car:       Audi       S4       6004.54         car:       Bentley       Continental       GTC       1236.22         car:       Subaru       Impreza       5496.39
	car: Nissan Altima 6779.28 car: Toyota Celica 6071.17 car: Isuzu Axiom 9461.07 car: Mitsubishi Eclipse 5787.98 car: Mitsubishi Galant 7293.04 car: Nissan Titan 3687.63 car: Ford Expedition EL 4497.77 car: Mercedes-Benz C-Class 5622.98
	car: Pontiac Montana SV6 5845.84 car: Chevrolet Classic 6426.44 car: Land Rover Range Rover Classic 3751.98 car: Isuzu i-290 9916.52 car: Dodge Ram 2500 4394.21 car: Suzuki SJ 9850.64 car: Pontiac G6 9732.28 car: Eagle Talon 7749.72 car: Acura TL 1643.03
	car: Pontiac Montana 2204.06 car: Chevrolet Silverado 3500 6085.31 car: Lotus Exige 8339.48 car: Mercedes-Benz SL-Class 3827.61 car: Ford Explorer Sport 1570.4 car: Honda S2000 6322.97 car: Volkswagen GTI 4185.77 car: Volvo C70 9500.06
	car: Volkswagen Passat 1351.91 car: Subaru Forester 1159.65 car: Nissan Frontier 5268.99 car: Chevrolet Monte Carlo 7101.08 car: Ford E350 2264.48 car: Mercury Lynx 2523.24 car: Honda Accord 4367.61 car: Ford Thunderbird 5234.01 car: Honda Accord 1754.76
	car:       Jeep       Grand Cherokee       6399.58         car:       Lotus       Esprit       9556.46         car:       Chrysler       Sebring       3710.23         car:       Volkswagen       Eurovan       7056.01         car:       Hummer       H3       4396.99         car:       Ford       E-Series       4023.68         car:       Suzuki       SJ       9975.88         car:       Citroën       2CV       7444.65         car:       Infiniti       G       8159.48
	car:       Lotus       Esprit       8737.36         car:       Ford       Thunderbird       1689.17         car:       Land Rover       Range Rover       4510.86         car:       Acura       NSX       1313.03         car:       BMW       X3       3124.58         car:       Ford       Escort       6803.01         car:       Ford       Excursion       3550.62         car:       Ford       Focus       4192.32
	car: Toyota Camry 2395.94 car: Mitsubishi Eclipse 5044.14 car: Toyota T100 1244.64 car: Suzuki Grand Vitara 4433.83 car: Mazda RX-7 9554.13 car: Mercury Lynx 1722.21 car: Nissan Versa 5735.8 car: Audi S6 1834.99
	car:       Jeep       Wrangler       2546.62         car:       Chrysler       Concorde       1643.31         car:       GMC       Safari       5374.73         car:       Hyundai       Scoupe       4404.77         car:       BMW       M5       5324.2         car:       Ford       F150       7127.88         car:       Oldsmobile       98       3589.84         car:       Oldsmobile       Achieva       2786.0         car:       Pontiac       Grand       Prix       7273.47
	car:       Mercedes-Benz       W201       2528.78         car:       McLaren MP4-12C       3522.95         car:       Mercury Topaz       6985.56         car:       Isuzu Rodeo       8027.91         car:       Mitsubishi       Lancer       7883.24         car:       Buick Regal       2171.98         car:       Ford       F450       6662.7         car:       Kia       Optima       5530.28         car:       Mazda       929       6009.85
	car: Chrysler Town & Country 5645.77 car: Saturn L-Series 9649.27 car: Lexus SC 4967.03 car: Volvo S40 8132.56 car: Pontiac Montana 9378.56 car: Buick Coachbuilder 9069.88 car: Hyundai Santa Fe 7640.71 car: GMC Envoy 5013.41
In [104	<pre>car: Volkswagen Golf III 2693.57  cars_pd = pd.read_csv('/Users/chukwunonsodavid/Downloads/car.csv')  cars_pd  make model price</pre>
Out[105	make         model         price           0         Hyundai         Elantra         8118.17           1         Ford         F-Series         3575.86           2         Toyota         TundraMax         2180.36           3         Chevrolet         Suburban 1500         3112.80           4         GMC         Jimmy         2916.69
	<ul> <li></li> <li>95 Pontiac Montana 9378.56</li> <li>96 Buick Coachbuilder 9069.88</li> <li>97 Hyundai Santa Fe 7640.71</li> <li>98 GMC Envoy 5013.41</li> </ul>
	99 Volkswagen Golf III 2693.57  100 rows × 3 columns  import matplotlib.pyplot as plt plt.close("all") import numpy as np
In [124	
	7000 - 6000 - 5000 - 4000 -
In [127	2000 Hyundai Ford Toyota Chevrolet GMC  cars_pd.head(5).plot.bar(x="make", y="price");
	8000 -
	Hyundai - Ford - GMC - G
In []: In [140	make  np.random.rand(10, 4)  array([[0.8831558 , 0.48987819, 0.6758777 , 0.52712682],
Jut [140	array([[0.8831558 , 0.48987819, 0.6758777 , 0.52712682],
In [148	<pre>int_price = [] price.pop(0) for p in price:     int_price.append(float(p))  ts = pd.Series(int_price, make[2:])</pre>
	ts = ts.cumsum() ts.plot();
	300000 - 200000 - 100000 - Ford Pontiac Chevrolet Ford Pontiac
In [ ]:	