



Challenge Model Real World Data Using Objects

Challenge

- Analyze order deliveries of Veggie-Pizza outlet



Context

- Veggie-Pizza is a pizza delivery outlet that became popular for its custom-made vegetarian pizzas.
- A customer can order pizzas and other items over the phone. The outlet delivers the orders at the address specified by the customer.
- To ensure a quality delivery system, one of the key tasks for the Veggie-Pizza outlet owners is analyzing the performance of its delivery people.
- The delivery person is rated by the customers and the outlet owner. The overall rating is the average of ratings provided by customers and the outlet owner.
- The delivery details with average rating should be stored so that it can help in making decisions related to:
 - Identifying star performers on the team
 - Awarding star performers with incentives
 - Conducting training programs for underperformers

Analyze Order Deliveries of Veggie-Pizza Outlet

Write JavaScript functions to analyze delivery details and maintain the records of average ratings obtained by each delivery person.

CHALLENGE



Challenge Data

- Use the details provided below for developing the challenge solution.
 - These are the delivery details of the orders delivered yesterday.

Delivered By	Order Number	Customer Name	Phone Numbers		Customer Address				Tip Amount	Customer Rating	Outlet Rating
			phone1	phone2	Street No	Street Name	City	State			
Charles Garcia	234324	Michael Williams	+12052349876	+12052349876	501m	Hopton Street	Orlando	Florida	10	4.5	3
Andrew Clark	897655	George Wilson	+12652349712	+12752344376	281d	Sea View	South Austin	Texas	5	4	4.5
Andrew Clark	1560986	Ella Rodriguez	+12902346589	+12902300610	892g	Parkside Park	Louiseville	Kentucky	0	3	4
Nicholas Taylor	2224317	Olivia Davis	+12452342200	+12452277881	108a	Buller Hawthorns	Trenton	New Jersey	5	5	4
Charles Garcia	2887648	Lucy Thomas	+13152119733	+13175264437	557a	Cygnat Court	Dover	Delaware	20	1	2
Charles Garcia	234541	Richard Mia	+12052333876	+12052343176	501m	Hopton Street	Orlando	Florida	10	4.5	3
Andrew Clark	897690	Eric Claire	+12652387712	+12752322396	292f	North View	South Austin	Texas	10	4	4.5

Tasks

- Create JSON data with the details given in the table of the previous slide.
- Convert JSON to JavaScript Object
- Define function to calculate number of orders delivered by a particular delivery person in a particular city.
- Calculate total tip amount earned by a particular delivery person.

Tasks (Cont'd)

- Display delivery details for a particular delivery person.
 - The details should include:
 - ❖ `orderNumber`, `customerName`, `customerRating`, `outletRating`
- Calculate average rating of each delivery and store it in the JSON format.
 - `averageRating` field value should be calculated using `customerRating` and `outletRating`.
 - `averageRating` field should be added to the existing JSON data for each delivery.
 - Validate and reformat the JSON data on <https://jsonlint.com/>.
 - Copy and paste the JSON data in **deliveryData.json** file provided with the boilerplate.