

## Assignment 3: JavaScript

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## Problem Statement:

### 1. Create a JavaScript restaurantManager class with the following properties:

#### ➤ "restaurantList"

- Type: Array
- Use Case: This will contain a list of restaurant object, with the restaurant name, address, and city

#### ➤ "printAllRestaurantNames"

- Type: function
- Arguments: none
- Use Case: This will print the name of all restaurant names in restaurantList on console

#### ➤ "filterRestaurantByCity"

- Type: function
- Argument: "city" type: "string"
- Use Case: This will filter the restaurant on the basis of the city provided in arguments

### 2. Please find order details for Punjabi Tadka restaurant in Delhi as:

➤ orderData = {

'Below 500': 20,

'500-1000': 29,

'1000-1500': 30,

'1500-2000': 44,

'Above 2000': 76

};

#### a. Calculate the total number of orders placed for the restaurant?.

Expected Output for 2.a:

Total number of orders placed = 199

#### b. Calculate the number of order proportion options.

Expected Output for 2.b:

Total number of order proportions = 5

#### c. Calculate the percentage of each proportion in below format:

Expected Output for Question 2.c: Array of Objects

```
[{
  id: 1,
  order: "Below 500",
  order percentage: "10.05",
  restaurant: "Punjabi Tadka"
```

```
},
{
  id: 2,
  order: "500-1000",
  order percentage: "14.57",
  restaurant: "Punjabi Tadka"
},

{
  id: 3,
  order: "1000-1500",
  order percentage: "15.08",
  restaurant: "Punjabi Tadka"
},
{
  id: 4,
  order: "1500-2000",
  order percentage: "22.11",
  restaurant: "Punjabi Tadka"
},
{
  id: 5,
  order: "Above 2000",
  order percentage: "38.19",
  restaurant: "Punjabi Tadka"
}]
```

**Assignment Submission:** Click on the above button to submit the Assignment