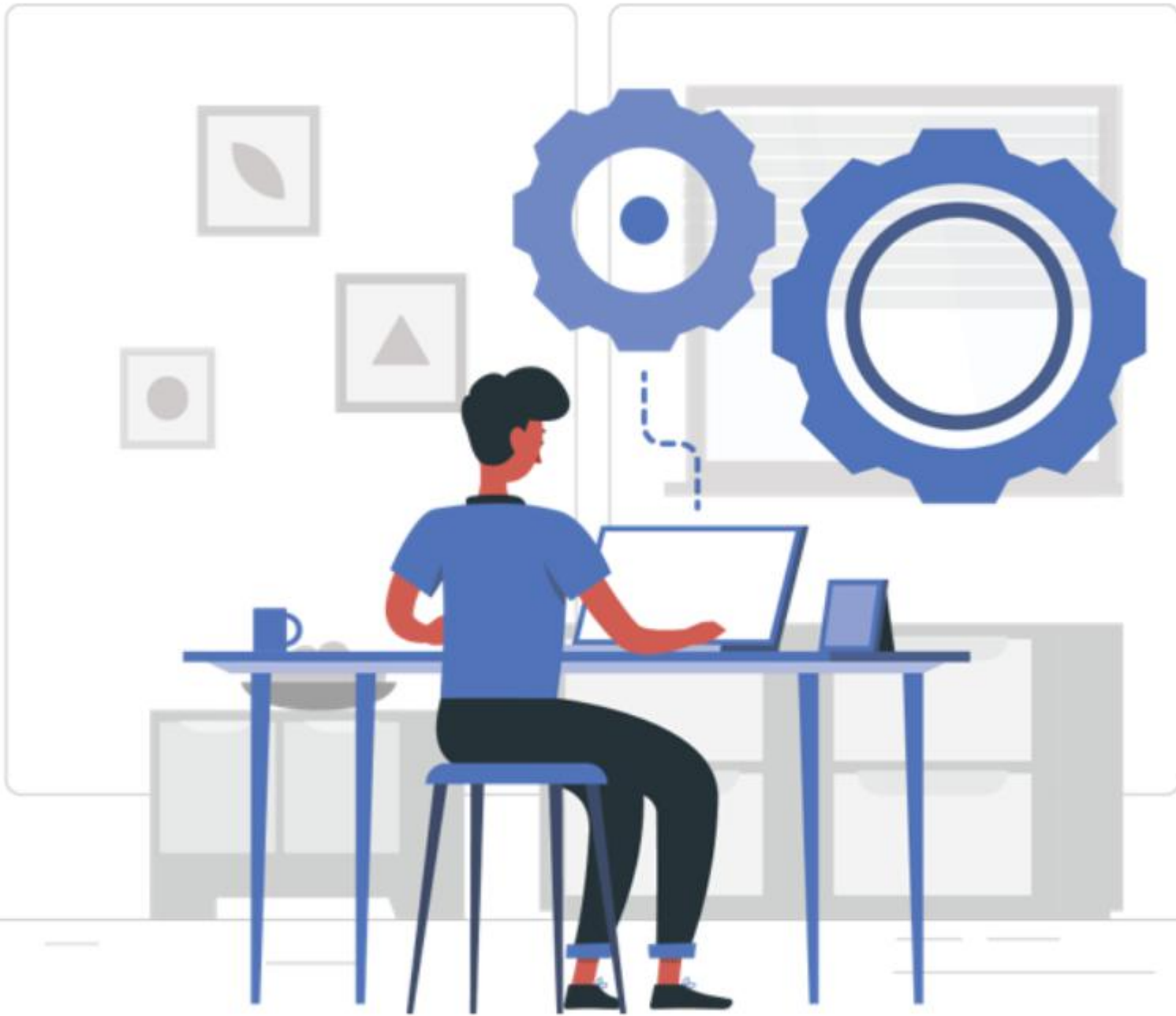


# Challenge Implement Modular Programming Using Functions



# Challenge

- Calculate the final bill amount using JS functions





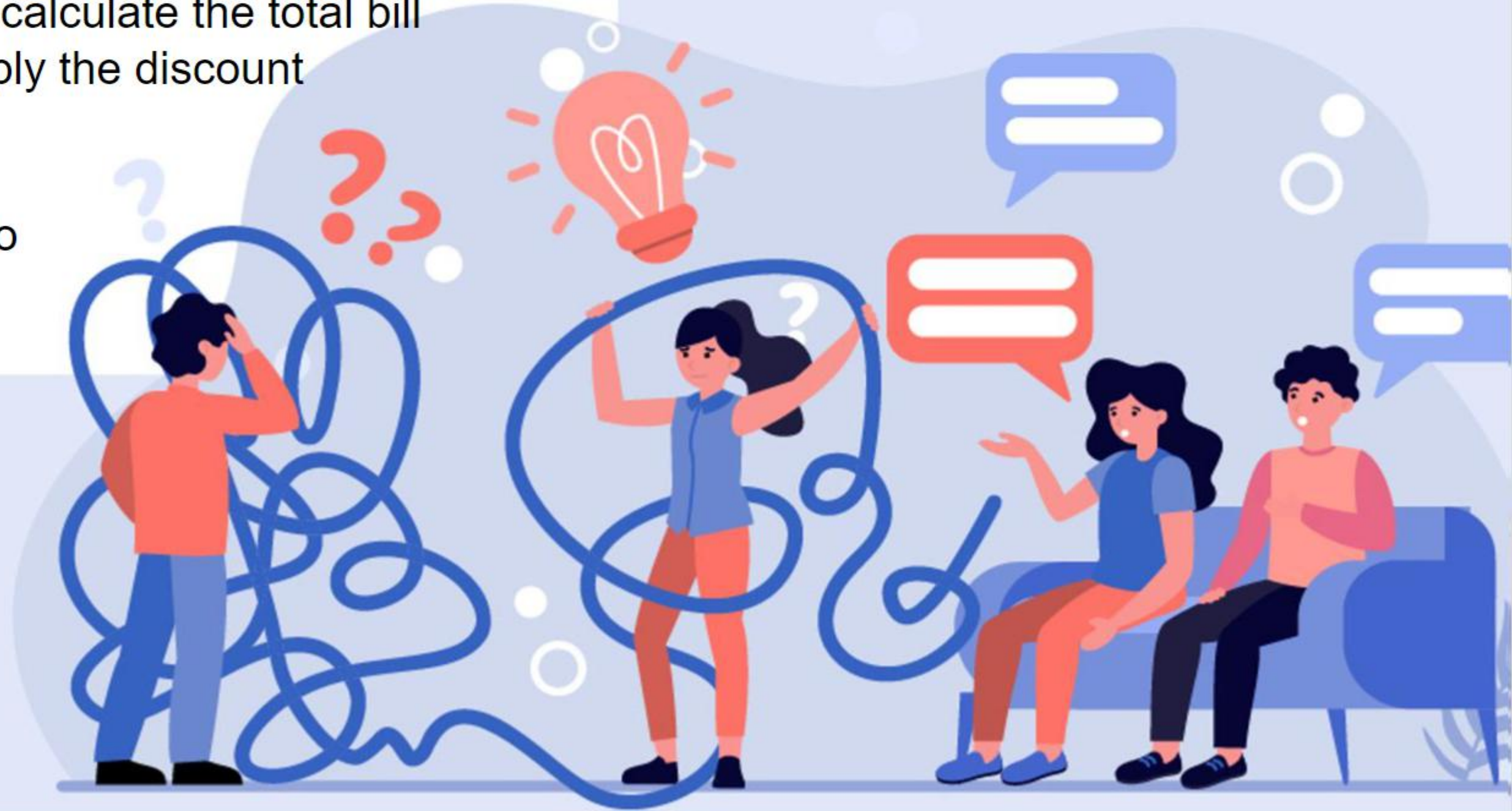
# Calculate the Final Bill Amount Using JS Functions

Veggie-pizza delivers custom-made vegetarian pizzas along with other accompaniments. As a seasonal-promotional offer, the pizza joint is providing a discount of 10% on any bill that is greater than \$50.

Write a JavaScript program to store the personal details and the order details of a customer. Also, calculate the total bill amount for the items ordered and apply the discount (if applicable).

Create various JavaScript functions to perform these operations.

## CHALLENGE





# Task 1: Declare Global Variables

- Open the file **veggie-pizza-solution.js** to create the solution.
- Create a JavaScript program with various global variables and initialize with sample values for the menu, customer and order details listed in the table.

Menu Item	Price
Pizza (Regular)	\$9.99
Pizza (Medium)	\$11.99
Pizza (Large)	\$13.99
Garlic Bread	\$5.99
Beverages	\$1.99

**Menu Details**

Name	Values
Customer Name	Gary
Customer Phone	412312345

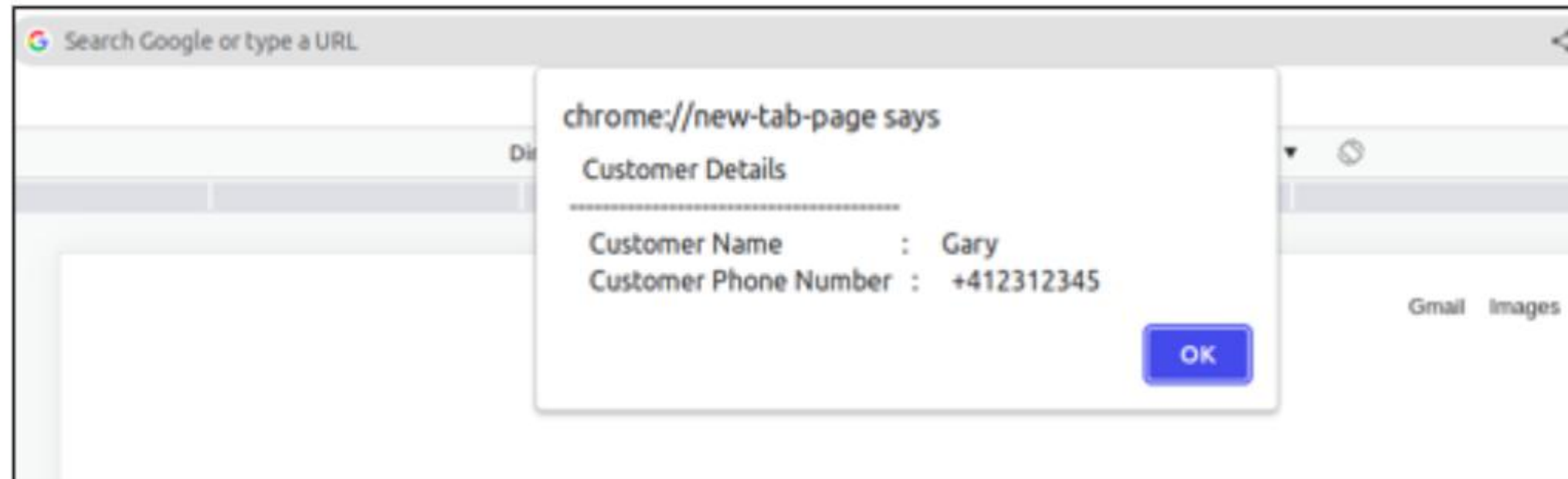
**Customer Details**

Item Ordered	Number Of Items
Garlic Bread	5
Pizza (Regular)	10
Beverages	10

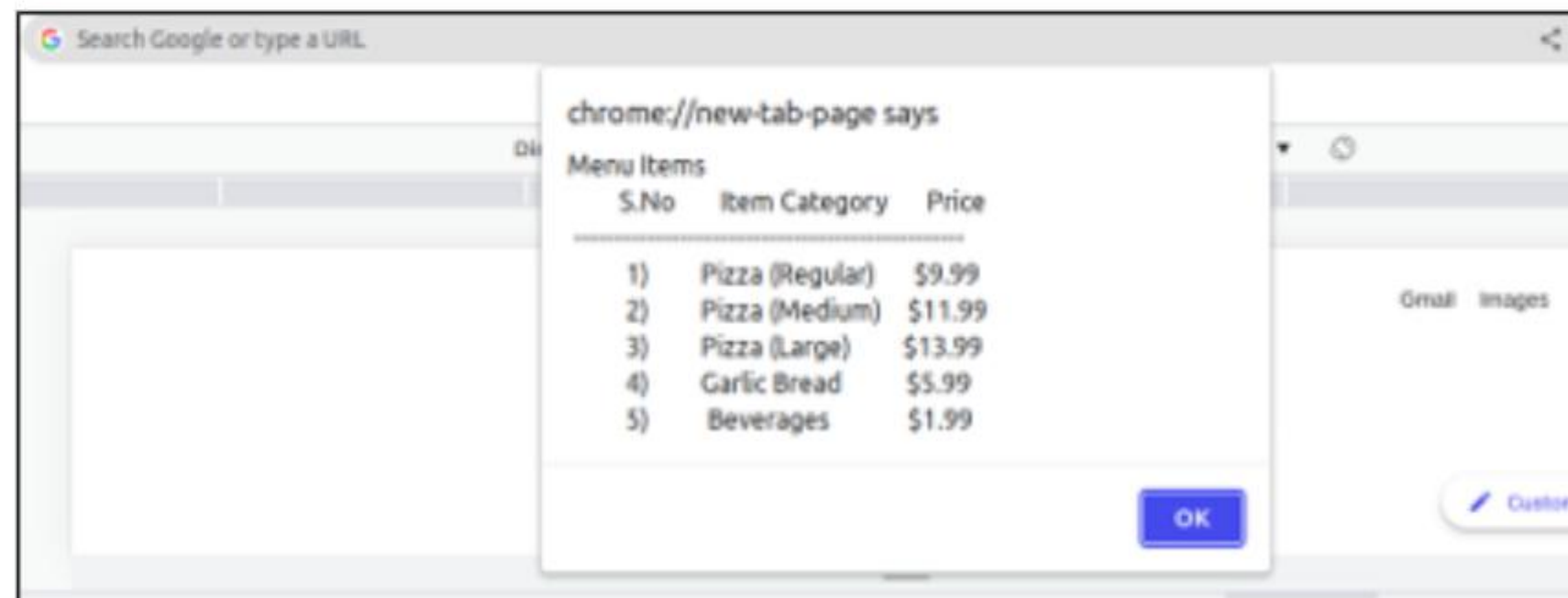
**Order Details**

# Task 2: Display Customer and Menu Details

- Define a JavaScript function to display personal details of a customer using `alert` method in the below format.



- Define a function to display the menu details using `alert` method in the below format.



# Task 3: Retrieve the Price for the Items

- Define a function which takes the size of pizza as parameter and returns the price based on the given size.

Pizza Type	Pizza Size
Regular	1
Medium	2
Large	3

- Define two functions, one to return the price of garlic bread and the other to return the price of beverages.



# Task 4: Calculate the Final Bill Amount

- Define a function to calculate the subtotal of each item ordered.
  - The function should take two parameters: number of items ordered and price of the item.
- Define a function to calculate the total bill amount.
  - The function should take three parameters: Pizza subtotal, Garlic Bread subtotal and Beverage subtotal
- Define a function to calculate the final bill amount based on the discount available.
  - The function should take one parameter: Total bill amount
  - If the total bill is greater than or equal to \$50, discount of 10% is applied on the total bill amount

# Task 5: Display the Final Bill Details

- Define a function to display the customer final bill details as shown in the following format.

