

# INFO-1272 JavaScript 1

## LAB 2

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**Due Date:** Monday September 29<sup>th</sup> 2025, 11:59 pm

**Submission Directions:** FOL Submissions folder, Lab 2

### Lab Description:

You will be creating a web page for a Theme Park Ticket System. The program will collect visitor information, ask for their age, and then decide what kind of ticket they get and how much it costs. You'll also calculate tax, the total cost, and how many free ride coupons they earn.

Write the JavaScript code for each step listed below in the `<script>` section of the HTML file. I am giving you the autonomy to choose most of your own variable names throughout this assignment, they should be legal, descriptive, and follow the same styling (e.g., all camel case). For example, if I ask you to make a variable with your favourite colour the variable name `favColour` is good, `fColour` is poor, `FC` is bad.

**You are expected to comment your code appropriately.**

1. Create a single HTML page using the editor of your choice. Name the page using the following template **(1 mark)**:  
Firstname\_Lab2.html for example, "Krutarth\_Lab2.html".

You can use the following starting code for your html:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Lab 2</title>
  </head>
  <body>
    <h1>Bakery Order</h1>
    <script>
      // Your code here
    </script>
  </body>
</html>
```

2. Prompt the user to enter the following information (**2 marks**):

First Name:	example input is: John
Last Name:	example input is: Smith
Email:	example input is: johnsmith@email.ca
Phone:	example input is: (555)-555-5555

3. **Constants for Prices & Tax** (2 marks)

Create constants for ticket prices and tax:

- `CHILD_TICKET_PRICE = 9.99`
- `ADULT_TICKET_PRICE = 19.99`
- `SENIOR_TICKET_PRICE = 14.99`
- `HST_TAX = 0.13`

4. **Prompt the user for the age, and store the results in variables** (1 mark).

For example the message could read:

Please enter your age:

5. **Determine Ticket Type** (4 marks)

- Age **under 12** → Child ticket
- Age **12–59** → Adult ticket
- Age **60 or above** → Senior ticket

Store the **ticket type** and **ticket price** in variables.

6. **Calculate Tax and Total** (3 marks)

- `Tax = ticketPrice × HST_TAX`
- `Total = ticketPrice + tax`

7. **Free Ride Coupons** (4 marks)

- **If ticket type = Adult → 2 free ride coupons**
- **If ticket type = Senior → 1 free ride coupon**
- **If ticket type = Child → 0 coupons**

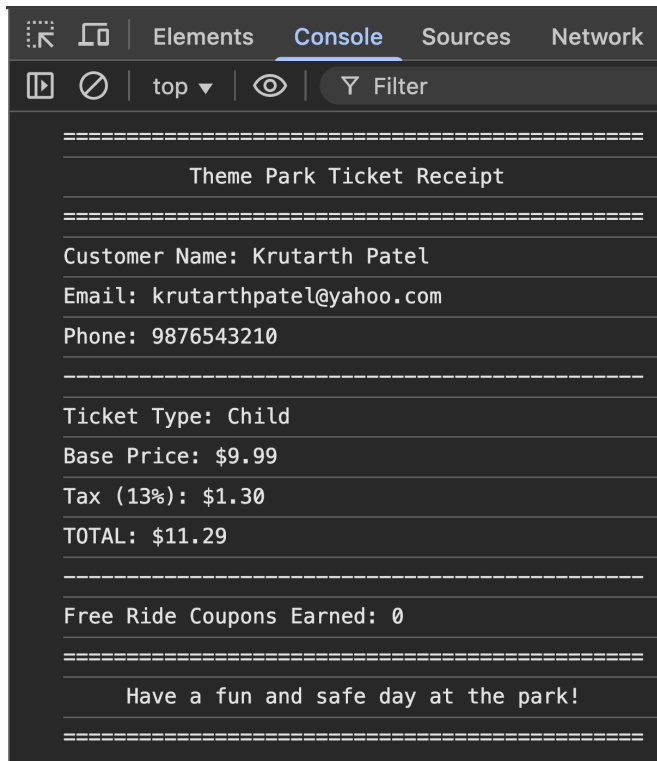
8. **Output to Console** (8 marks)

Output the following in the console, with proper formatting:

All dollar values must be shown to **2 decimal places**.

Proper labels and spacing required.

Write little **closing message** on the ticket.

A screenshot of a web browser's developer console. The console is open to the 'Console' tab, showing a series of log messages. The messages are formatted as a 'Theme Park Ticket Receipt' with a title, customer information, ticket details, and a total price. The receipt is displayed in a monospaced font with horizontal lines separating sections. The browser's interface shows 'Elements', 'Console', 'Sources', and 'Network' tabs at the top. The console also has a search bar and a 'Filter' button.

```
=====
Theme Park Ticket Receipt
=====
Customer Name: Krutarth Patel
Email: krutarthpatel@yahoo.com
Phone: 9876543210
=====
Ticket Type: Child
Base Price: $9.99
Tax (13%): $1.30
TOTAL: $11.29
=====
Free Ride Coupons Earned: 0
=====
Have a fun and safe day at the park!
=====
```

## Notes:

- Remember: Labs are to be completed independently! You can use various resources available to you including your textbook, slides, and notes.
- Once everything is working, must zip your HTML page and submit it to the **Submissions, Lab2** folder.

