



COMP2132 ASSIGNMENT 02

OBJECTIVES

Demonstrate using variables, handling different data types, operators and conditional decisions.

DUE DATE

Assigned during session02, due 11:59pm the night before session03.

REQUIREMENTS

Use the file **comp2132-assignment02.js** provided with this **.PDF** as the starting point for this assignment. This **.js** file contains several variables that you must make use of to enact the following behavior. Eg: when the browser is to display the user's name, it must do so by accessing the value of the username variable.

Write a well styled, valid and semantic HTML document with some of its content calculated and provided by JavaScript.

Use JavaScript variable values to apply the following **.innerHTML** content near the top of the page:

- Apply the user's name to a **<h2>** element
- Apply to a **<p>** element the user's name as well as including both single and double quotations, eg:
- **Shania Smith says: "It's the greatest show on earth!"**

Use separate HTML sections for presenting the different 'phases' of the processing.

Use JavaScript variables to display the associated values:

Display in a section for User Data

- Show the user's Age, Quantity of tickets, and Cash information with each data point applied to one of three **** in an ****

Display in a section for Concert Data

- Show the Minimum age to attend, Cost per ticket, and Tax Rate information with each data point applied to one of three **** in an ****

Use JavaScript to calculate and then display to the browser the following information:

Display in a section for 'Processing'

- The before-tax cost of the purchase
- The after-tax cost of the purchase
- If the user can afford the purchase, display a message indicating so
- If the user is exactly old enough to purchase, display a statement saying so
- If the user is more than old enough, display a message saying so

Display in a section for 'Results'

- If the user was not old enough to purchase, display a message saying so. Also display how many years more they would need to be in order to purchase
- If the user cannot afford to complete the purchase, inform them so. Also display how much more money they would need in order to purchase
- Display both the above messages if user is both too young and cannot afford it
- If the user is old enough and can also afford the purchase, display a message confirming the purchase.

Remember: The Assignment01 DESIGN and CODE QUALITY requirements apply to this and all future COMP 2132 assignments.

NOTES

Test the logic of your script by altering the values for the user Name, age, cash and quantity of tickets. Ensure all possible situations are accounted for, with appropriate output for each case!

SUBMISSION

Before the due date, compress all assignment resources (HTML, CSS, JS, images, folders, etc) into a single **.ZIP**. Upload **.ZIP** to

learn.bcit.ca > Content > Session02 > Assignment02 Dropbox