**Learn to troubleshoot your code**

**Description:**

During this live event, students will learn about the importance of getting familiar with errors encountered while building up coding solutions; about how to tackle down those errors by debugging; and how to acknowledge and learn from common mistakes to improve in future challenges.

Students will be provided a walkthrough of how to check and troubleshoot their code by using some prepared snippets of code holding any of the following errors: syntax, runtime, logical. Students will also be shown how to go about researching and implementing solutions for the encountered errors in order to ensure their code runs smoothly.

**Prerequisites:**

* Knowledge of/experience with JavaScript (start of Immersion).
* Students should have an editor to be able to follow along with the demonstration.

**By the end of this event, students will be able to:**

* Identify faults and bugs within code.
* Interpret error messages.
* Independently research solutions to faulty code.
* Implement changes to a codebase so code runs smoothly.

**Topics used through the demonstrations:**

* Variables.
* Conditionals.
* Arrays.
* Objects.
* Loops.
* Functions

**Repository with the snippets of code to be used:**

<https://github.com/Alfredo08/Troubleshooting-Code>