Control Structures and Logic | Lesson 2
Practice: Debugging Common Errors

Instructions

Read through the code in the software-dev-course-debug-common-errors GitHub repo and complete the following tasks.

Tasks

You'll be given three short JS programs, each containing a different type of error. For each type of error:

1. Leave a comment in the code identifying the type of error.
2. Correct the error.
3. Verify the fix.

Error 1 Description:
This program is intended to display a simple prompt in the console but fails to run due to a syntax issue.

```
// Program A
console.log("Welcome to the bootcamp
```

Error 2 Description:
This code attempts to multiply each number in an array by 2 and display the results. However, it crashes at runtime.

```
// Program B
let numbers = [2, 4, "eight"];
for (let i = 0; i < numbers.length; i++) {
  let doubled = numbers[i] * 2;
  console.log(doubled);
```

```
}
```

Error 3 Description:
This snippet of code is supposed to check if a given number is prime (i.e., divisible only by 1 and itself). However, it incorrectly marks some numbers as prime or not prime.

```
// Program C
function isPrime(num) {
  if (num < 2) return false;
  for (let i = 2; i < num; i++) {
    if (num % i === 0) {
      return true;  // Supposed to indicate num is NOT prime
    }
  }
  return false; // Supposed to indicate num IS prime
}

console.log(isPrime(7)); // Expected true but gets false
```

Setup

Make sure you follow all of these steps when you complete work in our GitHub repos:
- Fork the repo.
- Clone the repository to your local machine.
- Start working on the code.
- When you are finished, commit your changes and push them to your fork.

Submission

Submit the url for your GitHub repo in the field below.