**what are the key things you would consider when creating/consuming an API to ensure that it is secure and reliable?**

* API is designed for high performance and scalability to handle increasing traffic and demand.
* Implementing versioning to ensure backward compatibility and smooth updates.
* the proper authentication and authorization mechanisms are in place to restrict unauthorized access.
* Proper error handling mechanisms should be implemented so that data leakage is prevented and users are provided with meaningful error messages.

**How will you tackle the challenge above?**

To solve the challenge, we can convert the CSV input into a structured format such as a 2D array. Then, we can loop through the rows and columns and check if there is a pattern or value in them.

**What type of errors you would you check for?**

Some errors that I will check for are:

Incorrect syntax for a formula, such as "+B1"

Circular reference: when A1 refers to B1 and B1 refers back to A1.

**How might a user break your code?**

The following ways can break our code:

Not separating the CSV input correctly using commas.

Using unsupported functions or formulas.