**Creation of a web link monitor CLI tool.**

1. Configuration

* The tool reads its configuration from a YAML file, making it flexible and easy to customize.
* Can be specifyied the monitoring interval in seconds. Can be defined a list of URLs to monitor

1. Monitoring

* The tool continuously checks the reachability of the configured URLs.
* It utilizes the wget command to perform reachability checks.

1. Reporting

* The tool generates reports that include a timestamp, URL, and reachability status.
* Reachability statuses include "REACHABLE" and "UNREACHABLE."
* In case of an error during monitoring, it provides a detailed error message, including the exit code of wget.

**Implementation Details**

The tool is implemented as a Bash shell script. It consists of the following components:

* Configuration Parsing: The script parses the YAML configuration file to extract the monitoring interval and the list of URLs to monitor.
* Monitoring Loop: The script runs an infinite loop, periodically checking the reachability of each URL using the wget command.
* Reporting: For each URL, the tool generates a report line with a timestamp, URL, and reachability status. In case of an error, it includes an error message.
* Error Handling: The tool performs error checking and provides informative messages, such as reporting the absence of the configuration file or an invalid monitoring interval.

**Usage**

* Configuration: I created a YAML configuration file named config.yaml. This file should specify the monitoring interval and list of URLs to monitor.
* Execution: Run the script by making it executable (chmod +x web\_monitoring.sh) and then executing it (./web\_monitoring.sh).
* Output: The tool continuously outputs monitoring reports to the terminal, providing real-time information on URL reachability.