Screening Task: Control System toolbox development

    - The screening task involves implementing Scilab functions for the Control System Toolbox, similar to how they are implemented in Octave under the 'control' package.
    - Select any three functions from the provided list which you wish to implement in Scilab.
      Link: Control System functions
- Preparation:
    - Ensure Octave is installed on your system, preferably the latest version (≥ 3.8).
    - Install the 'control' package in Octave, a dependency for Control System operations.
    - Examine the documentation of the corresponding functions in Octave to understand their structure and functionality.
    - Using Scilab, reimplement these functions by creating respective .sci files with appropriate function calls.
    - Create a README file for each function that includes a description of the function, the calling sequence, a detailed explanation of each parameter, and at least 4-5 test cases to verify the function's accuracy and effectiveness.
- Software Requirements for Scilab Function Development:
    - Use the Scilab software platform for writing and testing functions.
    - Familiarize yourself with Scilab's syntax and documentation for effective function creation.
    - Utilize the Scilab built-in functions and libraries, ensuring compatibility with the selected Octave functions.
    - Explore Octave's documentation to gain insights into the functionalities of the selected control system functions.
- Conclusion:
    - Ensure that the implemented functions in Scilab replicate the desired control system functionalities as seen in Octave.
    - Provide clear documentation for each function, outlining usage and expected outputs.
    - Test thoroughly to guarantee the accuracy and reliability of the implemented functions.
    - If we find that your work is plagiarized or if any two submissions are identical, you will be disqualified.
- Procedure to submit:
    - Create a folder on your google drive and share the drive link with this account: contact@scilab.in
    - The folder name should have this format: Yourname_CStoolboxfunction
    - Inside the main folder, create a separate folder for each function.
    - Inside each respective function folder you should have:
      1) .sce file

2) Dependency file (if any)
3) README file

- Submission:
  Fill out this form to review your submission. Failure to do so will result in your submission being rejected.
  Link:
  https://docs.google.com/forms/d/e/1FAIpQLSeForGHeITXTM1ULim2wPdtwif4ESDea5ujTzpesBI1WElMcg/viewform