**Python Screening Task 2: Write a Prompt for an AI Debugging Assistant**

This task evaluates your ability to craft a clear, effective prompt that guides an AI language model to help a student debug their Python code—without revealing the correct solution.

**Task Objective:**

Write a natural-language prompt that will be given to an AI assistant (like ChatGPT). The AI will use your prompt to:

* Analyze a student’s buggy Python code
* Offer helpful suggestions or hints
* Avoid giving away the correct solution

Your prompt should be general enough to work across different coding questions, but specific enough to guide the AI toward constructive, non-revealing feedback.

**What You Need to Submit:**

* A single prompt (in plain text or Markdown) that instructs the AI how to behave
* A brief explanation of your design choices:
  + Why you worded it the way you did
  + How you ensured it avoids giving the solution
  + How it encourages helpful, student-friendly feedback

**Reasoning (Required):**

In your submission, answer:

* + What tone and style should the AI use when responding?
  + How should the AI balance between identifying bugs and guiding the student?
  + How would you adapt this prompt for beginner vs. advanced learners?

**How to Submit:**

* Push your work to a public GitHub repository or drive
* Include setup instructions and reasoning in your README or any other file
* Share the repo or drive link with us via email [pythonsupport@fossee.in]

**Submission Checklist:**

[ ] Prompt is clear, specific, and well-structured

[ ] Reasoning is thoughtful and well-articulated

[ ] Includes reasoning answers

**Good luck!**