Interview Response Simulator Code Challenge Description

Objective:

In this challenge, you will build an **Interview Response Simulator**. The purpose of this simulator is to help users practice their answers to common interview questions by evaluating their responses on three main criteria: **clarity**, **confidence**, and **conciseness**. The goal is to simulate an interview process with multiple rounds of questions, provide feedback on the user's responses, and calculate a total score based on performance.

Overview:

You will design a program that:

1. Asks interview questions to the user.
2. Collects the user's responses.
3. Evaluates the responses based on:
   - **Clarity**: Is the response clear, logical, and understandable?
   - **Confidence**: Does the response sound self-assured and use strong language?
   - **Conciseness**: Is the response balanced and not too long or too short?
4. Provides detailed feedback on the user's performance for each question.
5. Calculates a **score** for each interview round based on the three criteria.
6. Simulates multiple rounds of questions (e.g., Introduction, Technical, Behavioral).

Requirements:

Interview Rounds: You need to simulate three interview rounds:

1. **Introduction Round**: General questions about the candidate's background and motivations.
2. **Technical Round**: Questions that assess technical skills and problem-solving.
3. **Behavioral Round**: Situational questions that assess interpersonal and leadership skills.

Evaluation Criteria:

1. **Clarity**:
   - The response should be clear and understandable.
   - A score of 1-10 will be given based on the length and structure of the answer (too short or too long responses will lower the score).
2. **Confidence**:
   - The response should show confidence, using strong action verbs like "I developed" or "I led."

- Avoid uncertain language like "I think" or "maybe," which will lower the confidence score.

3. Conciseness:

- The response should be concise and well-balanced in length.
- A score will be given based on whether the response is too short, too detailed, or well-balanced.

Scoring and Feedback: After each question, the program will give a score and feedback for each criterion. At the end of each round, the program will display the total score.

Function Breakdown:

1. ask_questions(questions):
   - Prompts the user to answer the list of interview questions and stores the responses.
   - **Input**: A list of questions.
   - **Output**: A list of the user's responses.

2. evaluate_clarity(response):
   - Evaluates the clarity of a response based on its length and logical flow.
   - **Input**: A user response (string).
   - **Output**: A clarity score (1-10) and feedback message.

3. evaluate_confidence(response):
   - Checks for confident language (action verbs) or uncertain language (like "I think") to evaluate the confidence of the response.
   - **Input**: A user response (string).
   - **Output**: A confidence score (1-10) and feedback message.

4. evaluate_conciseness(response):
   - Determines whether the response is too short, too long, or well-balanced.
   - **Input**: A user response (string).
   - **Output**: A conciseness score (1-10) and feedback message.

5. provide_feedback(questions, responses):
   - Processes the list of questions and corresponding responses, providing feedback based on clarity, confidence, and conciseness for each response.
   - **Input**: A list of questions and a list of responses.
   - **Output**: Feedback and scores for each question.

6. run_interview_simulator():
   - Simulates the interview by running multiple rounds of questions (Introduction, Technical, Behavioral) and calling the feedback function for each round.

- **Input**: None.
- **Output**: Displays feedback and scores for each round and the overall performance.

Detailed Instructions:

1. Simulate the Interview Process:

   - Create three rounds of interview questions, each focusing on different areas (Introduction, Technical, Behavioral).
   - In each round, the program will ask the user questions, collect responses, and evaluate those responses based on the three criteria.
   - At the end of each round, the program will display the total score and feedback.

2. Criteria Evaluation:

   - Clarity: If the response is too short (e.g., less than 20 characters), it will score low. If it is too long (e.g., more than 200 characters), it will also score low. Aim for clear, logical answers.
   - Confidence: Responses using phrases like "I think" or "maybe" will score low in confidence. Responses that use strong verbs like "I managed," "I developed," or "I led" will score high.
   - Conciseness: If the response is too short (e.g., less than 50 characters), it will score low. If it is too detailed (e.g., more than 150 characters), it will also score low. Aim for a well-balanced answer.

3. Feedback and Scoring:

   - After answering all questions in a round, the program will provide feedback on the user's performance.
   - The feedback will include scores for clarity, confidence, and conciseness for each question.
   - A total score for the round will be calculated, and feedback will be given for improvement.