

CODE

```
1 import random
2 import sys
3
4 assessment_criteria = []
5 questions = []
6 student_feedback = []
7
8 def add_question(question):
9     questions.append(question)
10
11 def generate_random_assessment_data(num_criteria=3, num_questions=5):
12     word_list = ["Analysis", "Creativity", "Communication", "Problem-solving", "Collaboration"]
13     assessment_criteria.extend(random.sample(word_list, min(num_criteria, len(word_list))))
14
15     sentence_list = [
16         "Explain the importance of collaboration in a team.",
17         "Discuss a situation where you demonstrated problem-solving skills.",
18         "How do you approach a creative task?",
19         "Describe a scenario where effective communication was crucial.",
20         "Analyze the impact of technology on education."
21     ]
22     questions.extend(random.sample(sentence_list, min(num_questions, len(sentence_list))))
23
24 def generate_assessment():
25     formatted_assessment = ""
26     formatted_assessment += "Assessment Questions:\n"
27     formatted_assessment += '\n'.join([f"{index}. {question}" for index, question in enumerate(questions, start=1)])
28     return formatted_assessment
29
30 def collect_student_feedback(student_name, feedback):
31     student_feedback.append(f"{student_name}: {feedback}")
32
33 def generate_feedback_report():
34     feedback_report = "Student Feedback Report:\n"
35     feedback_report += '\n'.join(student_feedback)
36     return feedback_report
37
```

```

38
39 def display_menu():
40     print("Welcome to the Continuous Internal Evaluation (CIE) Project!\n")
41     while True:
42         print("1. Generate Random Assessment Data")
43         print("2. Add Question")
44         print("3. View Assessment")
45         print("4. Collect Student Feedback")
46         print("5. View Feedback Report")
47         print("6. Exit")
48
49         choice = input("Enter your choice (1-6): ")
50         process_choice(choice)
51
52 def process_choice(choice):
53     if choice == '1':
54         generate_random_assessment_data()
55     elif choice == '2':
56         question = input("Enter assessment question: ")
57         add_question(question)
58         print(f"Assessment question '{question}' added.\n")
59     elif choice == '3':
60         assessment_result = generate_assessment()
61         print(assessment_result)
62     elif choice == '4':
63         student_name = input("Enter student name: ")
64         feedback = input("Enter student feedback: ")
65         collect_student_feedback(student_name, feedback)
66         print(f"Feedback collected from {student_name}.\n")
67     elif choice == '5':
68         feedback_report_result = generate_feedback_report()
69         print(feedback_report_result)
70     elif choice == '6':
71         print("Exiting the CIE Project. Goodbye!")
72         sys.exit()
73     else:
74         print("Invalid choice. Please enter a number between 1 and 7.\n")
75
76 if __name__ == "__main__":
77     display_menu()

```

OUTPUT

Welcome to the Continuous Internal Evaluation (CIE) Project!

1. Generate Random Assessment Data
2. Add Question
3. View Assessment
4. Collect Student Feedback
5. View Feedback Report
6. Exit

Enter your choice (1-6): 1

1. Generate Random Assessment Data
2. Add Question
3. View Assessment
4. Collect Student Feedback
5. View Feedback Report
6. Exit

Enter your choice (1-6): 2

Enter assessment question: What are list and dictionary methods?

Assessment question 'What are list and dictionary methods?' added.

1. Generate Random Assessment Data
2. Add Question
3. View Assessment
4. Collect Student Feedback
5. View Feedback Report
6. Exit

Enter your choice (1-6): 3

Assessment Questions:

1. Discuss a situation where you demonstrated problem-solving skills.
2. Analyze the impact of technology on education.
3. How do you approach a creative task?
4. Explain the importance of collaboration in a team.
5. Describe a scenario where effective communication was crucial.
6. What are list and dictionary methods?

1. Generate Random Assessment Data
2. Add Question
3. View Assessment
4. Collect Student Feedback
5. View Feedback Report
6. Exit

Enter your choice (1-6): 4

Enter student name: Abc

Enter student feedback: Nice

Feedback collected from Abc.

1. Generate Random Assessment Data
2. Add Question
3. View Assessment
4. Collect Student Feedback
5. View Feedback Report
6. Exit

Enter your choice (1-6): 5

Student Feedback Report:

Abc: Nice

1. Generate Random Assessment Data
2. Add Question
3. View Assessment
4. Collect Student Feedback
5. View Feedback Report
6. Exit

Enter your choice (1-6): 6

Exiting the CIE Project. Goodbye!