```
main.py
                                              44
                                                   -0-
                                                          ≪ Share
        print("\n" + "="*15 + " STUDENT REGISTRATION " + "="*15)
         student = {
            "first_name": input("Enter your first name: "),
             "age": int(input("Enter your age: ")),
             "QUIZ_SCORE": "Not Yet"
        return student
 8
 9
10 ✓ class QuizMaster:
11 -
            self.questions = [
12 -
13
14
19
20
```

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                                                                       Run
main.py
            self.score = 0
64
65
66
67
68
            for i, q in enumerate(self.questions, 1):
69
                 print(f"\nQ{i}: {q['prompt']}")
                 answer = input("Your answer: ")
70
                 if answer.lower() == q['answer'].lower():
                     self.score += 1
74
                     print(f"X Incorrect. Hint: {q['hint']}")
76
            print("\n" + "="*15 + " ANSWER KEY " + "="*15)
            for i, q in enumerate(self.questions, 1):
80
81
                 print(f"Q{i}: {q['answer']}")
82
83
    if __name__ == "__main__":
84 -
        student = create_student_profile()
```

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main.py
                                                                      Run
83 - if __name__ == "__main__":
         student = create_student_profile()
84
        print(f"Name: {student['first_name']}")
        print(f"Age: {student['age']}")
88
        print(f"Quiz Score: {student['QUIZ_SCORE']}")
89
 90
        quiz_status = None
91
        status_map = {
92
93
94
95
        print(f"\nCurrent Status: {status_map[quiz_status]}")
         quiz = QuizMaster()
99
         final_score = quiz.run_quiz()
100
101
        print("\n" + "="*15 + " QUIZ RESULTS " + "="*15)
102
        print(f"You scored {final_score}/{len(quiz.questions)}")
103
         if input("\nWould you like to see the answer key? (y/n): ").lower
104
```

## Output

```
Output
                                                                 Clear
======== STUDENT REGISTRATION ==========
Enter your first name: Justin
Enter your age: 22
----- STUDENT PROFILE -----
Name: Justin
Age: 22
Quiz Score: Not Yet
Current Status: Not yet completed
======== PROGRAMMING QUIZ =========
Q1: What analyzes source code and breaks it into tokens?
Your answer: Input
X Incorrect. Hint: Think of the first phase of compilation
Q2: Named memory location that holds changeable data?
Your answer: Variable
✓ Correct!
```

```
Q3: Process of analyzing syntax against grammar rules?

Your answer: Parsing

✓ Correct!

Q4: Naming convention like 'ClassName'?

Your answer: Pascal Case

✓ Correct!

Q5: Grammar describing language strings?

Your answer: Context-Free Grammar

✓ Correct!

Q6: Words that can't be identifiers?

Your answer: Reserved Words

✓ Correct!
```