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motion cut | python programming project 1

Quiz Game

Test Your Trivia Skills on Geography, Astronomy, and Zoology!

INPUT:

class Quiz:

    def \_\_init\_\_(self, questions):

        self.questions = questions

        self.score = 0

    def display\_question(self, question\_num):

        question, options, correct\_answer = self.questions[question\_num]

        print("\nQuestion", question\_num + 1, ":", question)

        for idx, option in enumerate(options):

            print(idx + 1, ".", option)

        user\_answer = int(input("Enter your answer (1, 2, 3, etc.): ")) - 1

        return user\_answer, correct\_answer

    def check\_answer(self, user\_answer, correct\_answer):

        if user\_answer == correct\_answer:

            print("Correct!")

            self.score += 1

        else:

            print("Incorrect! The correct answer is:", correct\_answer + 1)

    def start\_quiz(self):

        print("Welcome to the Quiz Game!\n")

        for i in range(len(self.questions)):

            user\_answer, correct\_answer = self.display\_question(i)

            self.check\_answer(user\_answer, correct\_answer)

        print("\nQuiz completed! Your final score is:", self.score)

questions = [

    ("What is the capital of France?", ["Paris", "London", "Berlin"], 0),

    ("Which planet is known as the Red Planet?", ["Mars", "Jupiter", "Earth"], 0),

    ("What is the largest mammal in the world?", ["Elephant", "Blue Whale", "Giraffe"], 1)

]

quiz = Quiz(questions)

quiz.start\_quiz()

OUTPUT:

