

Quiz app code in Python

```
def display_question(question, options,
correct_option):
    print(f"\n{question}")
    for i, option in enumerate(options,
1):
        print(f"{i}. {option}")
    while True:
        try:
            answer = int(input("Enter
the number of your
answer: "))
            if 1 <= answer <= len
(options):
                return answer ==
correct_option
            else:
                print("Invalid choice.
Please choose a
valid option.")
        except ValueError:
            print("Invalid input.
Please enter a number."
)
```

Run

```
def run_quiz():  
    # Questions for the quiz  
    questions = [  
        {  
            "question": "What is the  
                capital of France?",  
            "options": ["Berlin",  
                "Paris", "Rome",  
                "Madrid"],  
            "correct_option": 2 #  
                Paris  
        },  
        {  
            "question": "Which  
                programming language is  
                this code written in?",  
            "options": ["C++", "Python",  
                "Java", "Ruby"],  
            "correct_option": 2 #  
                Python  
        },  
        {  
            "question": "What is 5 + 3  
                ?",  
            "options": ["5", "8",  
                "15"],
```

Run

```

        "?",
        "options": ["5", "8", "10",
                     "15"],
        "correct_option": 2 # 8
    }
]

```

```

print("Welcome to the Quiz App!")
print("Answer the following
      questions:\n")

```

```

score = 0

```

```

for idx, question_data in enumerate
    (questions, 1):
    print(f"Question {idx}:")
    if display_question
        (question_data["question"],
         question_data["options"],
         question_data["correct_opti
         on"]):
        print("Correct!")
        score += 1
    else:
        print("Wrong answer

```

Run


```
score = 0

for idx, question_data in enumerate
    (questions, 1):
    print(f"Question {idx}:")
    if display_question
        (question_data["question"],
         question_data["options"],
         question_data["correct_opti
         on"]):
        print("Correct!")
        score += 1
    else:
        print("Wrong answer.")

print("\nQuiz Completed!")
print(f"Your score: {score}/{len
    (questions)}")
if score == len(questions):
    print("Excellent! You got all
        the answers right!")
elif score > len(questions) // 2:
    print("Good job! Keep
        improving!")
else:
    print("Better luck next time.")
```

Run

Welcome to the Quiz App!

Answer the following questions:

Question 1:

What is the capital of France?

1. Berlin
2. Paris
3. Rome
4. Madrid

Enter the number of your answer: 2|