

## Python Quiz - Project Brief

### Introduction

Create a Python program that simulates a simple quiz application. The application will present the user with multiple-choice questions, collect their answers, and provide a score at the end.

### Project Requirements

1. **Welcome Message:** Display a welcome message to the user.
2. **Display Questions:** Show a series of multiple-choice questions (at least 5).
3. **User Input:** Allow the user to select an answer for each question.
4. **Calculate Score:** Keep track of the user's correct answers and calculate the final score.
5. **Display Results:** Show the user's total score and a message based on their performance.
6. **Data Validation:** Ensure valid input by checking that the user selects an answer within the given choices.
7. **Thank You Message:** Thank the user for taking the quiz.

### Example Question:

- What is the capital of France?
  1. Berlin
  2. Madrid
  3. Paris
  4. Rome

### Design Considerations

- Structure your program to include clear organised functions.
- Ensure your code is modular and readable.