mini -project

quiz game app

question.py

```python
In [1]: def get_questions():
            return [
                {
                    "question": "What is the capital of India?",
                    "options": ["A. Delhi", "B. Mumbai", "C. Chennai", "D. Kolkata"],
                    "answer": "A"
                },
                {
                    "question": "Which language is used for web development?",
                    "options": ["A. Python", "B. HTML", "C. Java", "D. C++"],
                    "answer": "B"
                },
                {
                    "question": "What does CPU stand for?",
                    "options": ["A. Central Process Unit",
                                "B. Central Processing Unit",
                                "C. Computer Personal Unit",
                                "D. Central Processor Unit"],
                    "answer": "B"
                }
            ]
```

quiz.py

```python
In [ ]: def run_quiz(questions):
            score = 0

            for q in questions:
                print("\n" + q["question"])
                for option in q["options"]:
                    print(option)

                user_answer = input("Enter your answer (A/B/C/D): ").upper()

                # Input validation
                if user_answer not in ['A', 'B', 'C', 'D']:
                    print("Invalid input! Question skipped.")
                    continue
```

```python
        if user_answer == q["answer"]:
            print("Correct!")
            score += 1
        else:
            print("Wrong!")

    return score
```

main.py

```python
from questions import get_questions
from quiz import run_quiz

def main():
    print("🎯 Welcome to the Quiz Game 🎯")
    questions = get_questions()
    score = run_quiz(questions)

    print("\nQuiz Completed!")
    print(f"Your Score: {score}/{len(questions)}")

if __name__ == "__main__":
    main()
```