

PROJECT-01

class Quiz:

```
def __init__(self, questions):  
    self.questions = questions  
    self.score = 0
```

```
def display_question(self, question_num):  
    question = self.questions[question_num]  
    ['question']  
    options = self.questions[question_num]  
    ['options']
```

```
    print(f"{question_num+1} Q. {question}")
```

```
    for i, option in enumerate(options):
```

```
        print(f"{chr(65+i)} {option}")
```

```
def check_answer(self, question_num, user_answer):
```

```
    correct_answer =
```

```
    self.questions[question_num]['answer']
```

```
    if user_answer.upper() == correct_answer:
```

```
        self.score += 1
```

```
        print("Correct!")
```

```
    else:
```

```
        print(f"Incorrect. The correct answer is  
        {correct_answer}.")
```

```
def start_quiz(self):
```

```
    num_questions = len(self.questions)
```

```
    for i in range(num_questions):
```

```
        self.display_question(i)
```

```
        user_answer = input("Your answer (A/B/C/D):")
```


self.check_answers(), user_answers,

print()

print(f"Quiz completed! Your final score is {self.score} / {num_questions}")

Sample questions

questions = [

{
 'question': "Grand Central Terminal, Park Avenue, New York is the world's",

 'options': ["largest railway station",
 "longest railway station",
 "highest railway station",
 "None of the above"],

 'answer': "A"

},

{

 'question': "The battle of Plassey was fought in",

 'options': ["1757", "1782", "1748", "1764"],

 'answer': "A"

},

{

 'question': "Tripitakas are the sacred book of",

 'options': ["Buddhists", "Hindus", "Jains", "none of the above"],

 'answer': "A"

}

]



main.py

Output



1. The Battle of Plassey was fought on

- A. 1757
- B. 1782
- C. 1748
- D. 1764

Your answer (A/B/C/D): A

Correct!

2. Tripitakas are the sacred book of

- A. Buddhists
- B. Hindus
- C. Jains
- D. None of the above

Your answer (A/B/C/D): B

Incorrect. The correct answer is A.

3. Which planet is known as the Red Planet?

- A. Mars
- B. Venus
- C. Jupiter
- D. Saturn

Your answer (A/B/C/D): A

Correct!

Correct!

Quiz completed! Your final score is 2/3

=== Code Execution Successful ===