PROJECT-1

Basic Quiz Game

PROGRAM:

def display\_question(question, options):

print(f"\n{question}")

for idx, option in enumerate(options, 1):

print(f"{idx}. {option}")

def get\_user\_answer():

while True:

try:

answer = int(input("Your answer (1/2/3/4): "))

if answer in [1, 2, 3, 4]:

return answer

else:

print("Invalid choice. Please choose between 1 and 4.")

except ValueError:

print("Invalid input. Please enter a number between 1 and 4.")

def quiz\_game():

questions = [

{

"question": "What is the capital of France?",

"options": ["Berlin", "Madrid", "Paris", "Rome"],

"answer": 3

},

{

"question": "Which programming language is this project about?",

"options": ["Java", "Python", "C++", "Ruby"],

"answer": 2

},

{

"question": "What is 2 + 2?",

"options": ["3", "4", "5", "6"],

"answer": 2

}

]

score = 0

for q in questions:

display\_question(q["question"], q["options"])

user\_answer = get\_user\_answer()

if user\_answer == q["answer"]:

print("Correct!")

score += 1

else:

print(f"Wrong! The correct answer is: {q['options'][q['answer'] - 1]}")

print(f"\nYour final score: {score}/{len(questions)}")

if \_\_name\_\_ == "\_\_main\_\_":

quiz\_game()

OUTPUT:

What is the capital of France?

1. Berlin

2. Madrid

3. Paris

4. Rome

Enter the number of your choice: 2

Wrong! The correct answer was: Paris

Which programming language is known as the language of the web?

1. C++

2. JavaScript

3. Python

4. Java

Enter the number of your choice: 3

Wrong! The correct answer was: JavaScript

What is the square root of 64?

1. 6

2. 7

3. 8

4. 9

Enter the number of your choice: 3

Correct!

Your final score is: 1/3