PROJECT-1

Basic Quiz Game

PROGRAM:

def ask\_question(question, options, correct\_answer):

print(f"\n{question}")

for i, option in enumerate(options, start=1):

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

while True:

try:

answer = int(input("Enter the number of your choice: "))

if 1 <= answer <= len(options):

return answer == correct\_answer

else:

print("Please select a valid option.")

except ValueError:

print("Invalid input. Please enter a number.")

def quiz\_game():

questions = [

{

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

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

"correct\_answer": 3

},

{

"question": "Which programming language is known as the language of the web?",

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

"correct\_answer": 2

},

{

"question": "What is the square root of 64?",

"options": ["6", "7", "8", "9"],

"correct\_answer": 3

}

]

score = 0

for q in questions:

correct = ask\_question(q["question"], q["options"], q["correct\_answer"])

if correct:

print("Correct!")

score += 1

else:

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

print(f"\nYour final score is: {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