def quiz():

score = 0

questions = [

{

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

"options": ["London", "Delhi", "Berlin", "Madrid"],

"answer": "Delhi"

},

{

"question": "What is the largest planet in our solar system?",

"options": ["Mars", "Jupiter", "Saturn", "Venus"],

"answer": "Jupiter"

},

{

"question": "What is the smallest country in the world?",

"options": ["Monaco", "Vatican City", "San Marino", "Liechtenstein"],

"answer": "Vatican City"

}

]

for question in questions:

print(question["question"])

for i, option in enumerate(question["options"]):

print(f"{i + 1}. {option}")

user\_answer = input("Enter your answer (1-4): ")

if user\_answer.isdigit() and 1 <= int(user\_answer) <= 4:

if question["options"][int(user\_answer) - 1] == question["answer"]:

print("Correct!")

score += 1

else:

print(f"Incorrect. The correct answer is {question['answer']}.")

else:

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

print(f"Your final score is {score} out of {len(questions)}.")

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

quiz()