Currency Converter using API - Python Project

Project Description:

This Python script converts an amount from one currency to another using real-time exchange rates from an API.

Objectives:

- Learn how to fetch data from an API.
- Process JSON responses.
- Perform currency conversion.

Expected Output:

- Take user input (amount, source currency, target currency).
- Fetch the latest exchange rate.
- Convert the amount and display the result.

Steps to Complete:

- Sign up for a free API like ExchangeRate-API or exchangerate.host.
- Use the 'requests' library to fetch exchange rates.
- Extract and process JSON data.
- Implement user input to accept currency codes.
- Print the converted amount.

Python Code:

```
# --- Main Script ---
print("Welcome to Currency Converter")
try:
    amount = float(input("Enter amount: "))
    from_currency = input("Convert from (e.g., USD): ").upper()
    to_currency = input("Convert to (e.g., INR): ").upper()
    convert_currency(amount, from_currency, to_currency)
except ValueError:
    print("Please enter a valid number.")
```

Sample Output:

```
Welcome to Currency Converter

Enter amount: 100

Convert from (e.g., USD): USD

Convert to (e.g., INR): INR

100 USD = 8343.60 INR
```