**PYTHON**

**Currency Converter using API**

**SCRIPT :**

import requests

def get\_exchange\_rate(api\_key, base\_currency):

url = f"https://v6.exchangerate-api.com/v6/{api\_key}/latest/{base\_currency}"

response = requests.get(url)

if response.status\_code != 200:

raise Exception("Failed to fetch exchange rates.")

data = response.json()

if data['result'] != 'success':

raise Exception("Error in API response.")

return data['conversion\_rates']

def convert\_currency(amount, rate):

return round(amount \* rate, 2)

def main():

# 🔑 Replace with your real API key from exchangerate-api.com

API\_KEY = 'YOUR\_API\_KEY\_HERE'

try:

amount = float(input("Enter amount: "))

from\_currency = input("Convert from (e.g., USD): ").upper()

to\_currency = input("Convert to (e.g., INR): ").upper()

rates = get\_exchange\_rate(API\_KEY, from\_currency)

if to\_currency not in rates:

print(f"Currency code {to\_currency} not found.")

return

rate = rates[to\_currency]

converted = convert\_currency(amount, rate)

print(f"Converted Amount: {converted} {to\_currency}")

except ValueError:

print("Invalid amount. Please enter a numeric value.")

except Exception as e:

print(f"Error: {e}")

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

main()

**INPUT :**

Enter amount : 100

**OUTPUT :**

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

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

**Converted Amount: 8325.00 INR**