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import requests
import socket
import json
def fetch_headers(url):
try:
req requests.get("https://" + url)
print("\nHeaders:")
for header, value in req.headers.items():
print(f" (header): {value}")
except requests.exceptions.RequestException as e:
print("Error fetching headers:", e)
def ip_lookup(url):
try:
ip_address = socket.gethostbyname(url)
return ip_address
except socket.gaierror:
print("Error: Invalid URL or unable to resolve host.")
return None
def fetc_ location(ip_address):
if ip_address:
try:
req = requests.get(fhttps://ipinfo.io/{ip_address}/json)
data = req.json()
print(f"\nLocation: (data['loc']}")
print(f"Region: {data['region']}")
print(f"City: (data['city']}")
print(f"Country: {data['country']}")
except requests.exceptions.RequestException as e:
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print("Error fetching location information:", e)
except KeyError:
print("Error: Location information not found.")
def main():
domain = input("Enter domain: ")
fetch_headers(domain)
ip_address = ip_lookup(domain)
if ip_address:
fetch_location(ip address)
if__name__=="__main__":
main()
```