IP Location Python Script

import geoip2.database  
  
# Setup the reader for the City database  
city\_reader = geoip2.database.Reader('/Users/macbook/Downloads/CS/Python/GeoLite2-City\_20240621/GeoLite2-City.mmdb')  
  
# Setup the reader for the Country database  
country\_reader = geoip2.database.Reader('/Users/macbook/Downloads/CS/Python/GeoLite2-Country\_20240621/GeoLite2-Country.mmdb')  
  
ip\_address = '205.251.198.251' # Example IP address  
  
try:  
 # Query the City database  
 city\_response = city\_reader.city(ip\_address)  
 print("City Details:")  
 print("Country:", city\_response.country.name)  
 print("State:", city\_response.subdivisions.most\_specific.name)  
 print("City:", city\_response.city.name)  
 print("Postal Code:", city\_response.postal.code)  
 print("Latitude:", city\_response.location.latitude)  
 print("Longitude:", city\_response.location.longitude)  
  
 # Query the Country database  
 country\_response = country\_reader.country(ip\_address)  
 print("\nCountry Details:")  
 print("Country:", country\_response.country.name)  
  
except geoip2.errors.AddressNotFoundError:  
 print("The address was not found in the database.")  
except Exception as e:  
 print("Error:", e)  
finally:  
 # Ensure both readers are closed properly  
 city\_reader.close()  
 country\_reader.close()