Phone Number Information Python Script

import phonenumbers  
from phonenumbers import geocoder, carrier, timezone, number\_type, format\_number, PhoneNumberFormat  
  
# Example phone number with international dialing format  
phone\_number = '+14155552671' # Example: US number  
  
# Parse the phone number  
parsed\_number = phonenumbers.parse(phone\_number)  
  
# Get various details  
country = geocoder.description\_for\_number(parsed\_number, "en")  
phone\_carrier = carrier.name\_for\_number(parsed\_number, "en")  
time\_zones = timezone.time\_zones\_for\_number(parsed\_number)  
num\_type = number\_type(parsed\_number) # This returns an enum value  
formatted\_number = format\_number(parsed\_number, PhoneNumberFormat.INTERNATIONAL)  
is\_valid = phonenumbers.is\_valid\_number(parsed\_number)  
is\_possible = phonenumbers.is\_possible\_number(parsed\_number)  
  
# Output all information  
print("Country:", country)  
print("Carrier:", phone\_carrier)  
print("Time Zones:", ', '.join(time\_zones))  
print("Formatted Number:", formatted\_number)  
print("Is Valid Number:", is\_valid)  
print("Is Possible Number:", is\_possible)