

Get Phone Number Information using Python

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In this article, you will learn how you can get the information about phone number like the country name to which the phone number belongs to, or the network service provider name of that phone number just by writing a simple Python program. Python provides a module name **phonenumbers** for this task. This article is Python's port of Google's libphonenumber library.

Installation

Install the package phonenumbers using the below command in your command prompt.

```
pip install phonenumbers
```

Example 1: Python program to get the country name to which phone number belongs:

```
import phonenumbers

# geocoder: to know the specific
# location to that phone number
from phonenumbers import geocoder

phone_number = phonenumbers.parse("Number with country code")
# Indian phone number example: +91*****
# Nepali phone number example: +977*****

# this will print the country name
print(geocoder.description_for_number(phone_number,
                                       'en'))
```

Output:

India

Example 2: Python program to get the service provider name to that phone number



```
import phonenumbers

# carrier: to know the name of
# service provider of that phone number
from phonenumbers import carrier

service_provider = phonenumbers.parse("Number with country code")
# Indian phone number example: +91*****
# Nepali phone number example: +977*****

# this will print the service provider name
print(carrier.name_for_number(service_provider,
                              'en'))
```

Output:

Airtel

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