# Python Program to calculate the Round Trip Time (RTT)

Here we will see how Python can be used to get the Round Trip Time (RTT). The RTT is the time which is taken by the entire trip of a signal. It means the time between the starting time when a signal is sent and the receiving time of the acknowledge signal.

The RTT results varies on different parameters like.

- The data transfer rate of the sender's side.
- The nature of the transmission media.
- The actual distance between the sender and receiver.
- The number of nodes between sender and receiver.
- The amount of traffic on LAN.
- Number of requests handled by intermediate points.

## Example Code

```
import time
import requests
import sys
   deffind_roundtriptime(url):
      initial_time = time.time() #Store the time when request is sent
      request = requests.get(url)
      ending_time = time.time() #Time when acknowledged the request
      elapsed_time = str(ending_time - initial_time)
   print('The Round Trip Time for {} is {}'.format(url, elapsed_time))
      find_roundtriptime(sys.argv[1])
```

## Output

```
$ python3 319.RoundTripTime.py https://www.tutorialspoint.com/
The Round Trip Time for https://www.tutorialspoint.com/ is 0.8301455974578857
```

```
$ python3 319.RoundTripTime.py https://www.google.com
The Round Trip Time for https://www.google.com is 0.5217089653015137
$
```