

```
!pip install pyshorteners
```

```
Collecting pyshorteners
  Downloading pyshorteners-1.0.1.tar.gz (10.0 kB)
  Preparing metadata (setup.py) ... done
Requirement already satisfied: requests in /usr/local/lib/python3.10/dist-packages (from pyshorteners) (2.31.0)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.10/dist-packages (from requests->pyshorteners) (3.7)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.10/dist-packages (from requests->pyshorteners) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.10/dist-packages (from requests->pyshorteners) (2.0.7)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.10/dist-packages (from requests->pyshorteners) (2024.7.
Building wheels for collected packages: pyshorteners
  Building wheel for pyshorteners (setup.py) ... done
  Created wheel for pyshorteners: filename=pyshorteners-1.0.1-py3-none-any.whl size=17480 sha256=72fb483ee4799951f71ca21f5bb791bccc
  Stored in directory: /root/.cache/pip/wheels/d5/ff/b3/16d8906f92ab0b042f76a4696fcea11d291d79a2b3a3de1e78
Successfully built pyshorteners
Installing collected packages: pyshorteners
Successfully installed pyshorteners-1.0.1
```

```
import pyshorteners
from urllib.request import urlopen

def link_shortener(link):
    shortener = pyshorteners.Shortener() #class object
    short_link = shortener.tinyurl.short(link) #shorting the link

    #Display
    print('\t[+] Real Link: ' + link)
    print('\t[+] Shortened Link: ' + short_link)

def link_opener(link):
    shortened_url = urlopen(link)
    real_link = shortened_url.geturl() # getting real link

    # Display
    print('\t[+] Shortened Link: ' + link)
    print('\t[+] Real Link: ' + real_link)

if __name__ == '__main__' :

    num = input("Enter your choice ...\n")
    "1. Type 1 for shortening link\n"
    "2. Type 2 for extrcting real link from a shorten link\n")

    link = input("Enter the link: ")

    if (num == '1') :
        link_shortener(link)
    else :
        link_opener(link)

Enter your choice ...
1. Type 1 for shortening link
2. Type 2 for extrcting real link from a shorten link
1
Enter the link: https://www.youtube.com/watch?v=-Al-S1uishM&ab\_channel=T-Series
[+] Real Link: https://www.youtube.com/watch?v=-Al-S1uishM&ab\_channel=T-Series
[+] Shortened Link: https://tinyurl.com/25tdfmd3
```

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