

THINK-CHAMP PRIVATE LIMITED

INTERNSHIP REPORT on

PYTHON PROJECT : Shortening the URL



SUBMITTED TO:

CEO OF THINK CHAMP PVT LTD

GURU LOKESH SIR

SUBMITTED BY:

Renuka

INDEX

S.NO	CONTENTS
------	----------

1.	Project-2-----
1.1	Introduction -----
1.2	Steps -----
1.3	Software requirements specification ----
1.4	Coding -----
1.5	Output -----
1.6	Conclusion -----

Project-2:

1.1 Introduction

URL means Uniform

Resource Locator and is a mention of/comment on (an address) to a resource on the Internet. A URL has two main

to a resource on the Internet. A URL has two main components: Protocol identifier: For the URL

`http://example.com` , the protocol identifier is `http` .

Resource name: For the URL `http://example.com` , the resource name is `example.com` .The most of

the url's are consisting of long length. In this project we are shortening the length/reduce the length of url by using python.

- **. Steps**

Steps to Create Shorten URL's

In command prompt

→ First Checking the version of python(python--version)

→Now installing the shorteners to shorten the url's.(pip install pyshorteners),
and next installing the pyperclip which is used for copy and paste purpose(pip install pyperclip)

In IDLE

- ◆ Here importing the module called as pyshorteners.
- ◆ Now creating a variable(url) to give user input.
- ◆ Create a function by passing function name and parameter as a (url).
- ◆ In that function again creating a variable called "s".And inserting pyshorteners.Shortener().
- ◆ Now it will print as s.tinyurl.short(url).
- ◆ Finally we get the tiny/short url with the help of function calling.

1.3 Software requirements specification

SOFTWARE REQUIREMENTS:

- Operating System: Windows 11
- Coding Language: PYTHON
- Software: PyCharm

HARDWARE REQUIREMENTS:

- System: PAVILION
- Hard Disk: 512GB
- Ram: 8 GB

1.4 Coding

In command prompt
python -- version
pip install pyshorteners
pip install pyperclip

CODE:

```
import pyshorteners

url=input("enter the url")

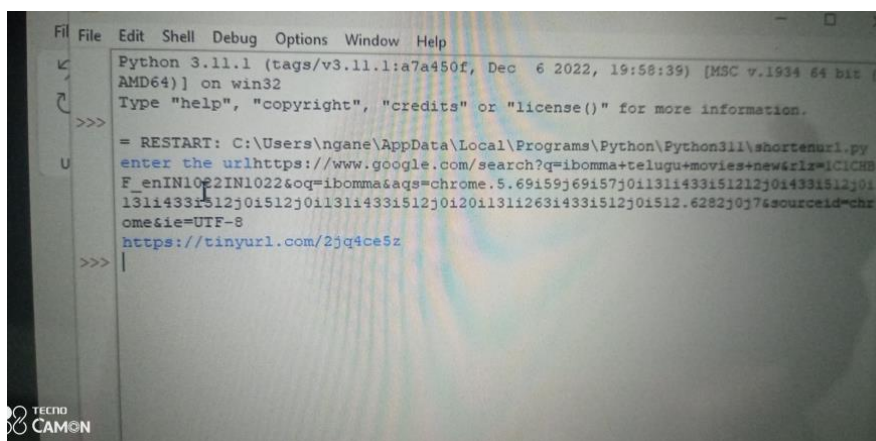
def shorteners(url):

    s=pyshorteners.Shortener()

    print(s.tinyurl.short(url))

shorteners(url)
```

OUTPUT:



The screenshot shows a Windows command prompt window titled "Python 3.11.1 (tags/v3.11.1:a7a450f, Dec 6 2022, 19:58:39) [MSC v.1934 64 bit (AMD64)] on win32". The prompt displays the following text:

```
>>> = RESTART: C:\Users\ngane\AppData\Local\Programs\Python\Python311\shortenurl.py
enter the urlhttps://www.google.com/search?q=ibomma+telugu+movies+new&rlz=1C1CHB
F_enIN10p2IN1022&oq=ibomma&aqs=chrome.5.69i59j69i57j0l131i433i512l2j0i433i512j0i
131i433i512j0i512j0i131i433i512j0i201131i263i433i512j0i512.6282j0j7&sourceid=chr
ome&ie=UTF-8
https://tinyurl.com/2jq4ce5z
>>> |
```

The output shows the original URL being shortened to <https://tinyurl.com/2jq4ce5z>. A "TECNO CAMON" watermark is visible in the bottom left corner of the image.

1.6 Conclusion

The shorten url is a simple program to shorten or minimise the url. By using this we can bring the tiny size url, and it occupies less space in memory.