

Introduction to pywhatkit module

Difficulty Level : Basic • Last Updated : 30 May, 2022

Python offers numerous inbuilt libraries to ease our work. Among them **pywhatkit** is a Python library for sending WhatsApp messages at a certain time, it has several other features too.

Following are some features of pywhatkit module:

1. Send WhatsApp messages.
2. Play a YouTube video.
3. Perform a Google Search.
4. Get information on a particular topic.

The pywhatkit module can also be used for converting text into handwritten text images.

In Python3 pywhatkit module will not come pre-installed, so you can install it by using the command:

```
pip install pywhatkit
```

1. Send Whatsapp Messages:

Here, we will learn the simplest way of using pywhatkit module which utilises the WhatsApp webpage to automate messages sending to any number on WhatsApp. But

Make sure that you have logged into your WhatsApp in your browser.

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- **Hours:** This module follows the 24 hrs time format.
- **Minutes:** Mention minutes of the scheduled time for the message(00-59).

Example:

Python3

```
# importing the module
import pywhatkit

# using Exception Handling to avoid
# unprecedented errors
try:

    # sending message to receiver
    # using pywhatkit
    pywhatkit.sendwhatmsg("+91xxxxxxxxxx",
                          "Hello from GeeksforGeeks",
                          22, 28)
    print("Successfully Sent!")

except:

    # handling exception
    # and printing error message
    print("An Unexpected Error!")
```

2. Play a YouTube video:



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Parameters:

- **URL/Topic Name:** Mention the topic name or URL of the YouTube video

Example:

Python3

```
# importing the module
import pywhatkit

# using Exception Handling
# to avoid exceptions
try:

    # it plays a random YouTube
    # video of GeeksforGeeks
    pywhatkit.playonyt("GeeksforGeeks")
    print("Playing...")

except:

    # printing the error message
    print("Network Error Occured")
```

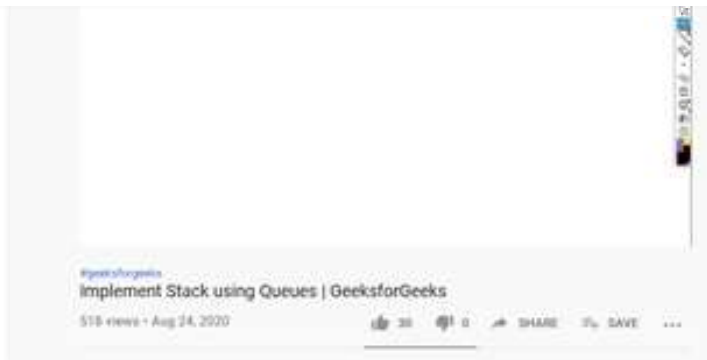
Output:



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3. Perform Google Search:

You can perform a Google search using the following simple command. It opens your browser and searches for the topic you have given in your code.

Syntax: `pywhatkit.search("Keyword")`

Parameters:

- **Keyword:** It open your browser and performs search operation.

Example:

Python3

```
# importing the module
import pywhatkit

# use Try Except to
# handle the Exceptions
try:
    # it will perform the Google search
```

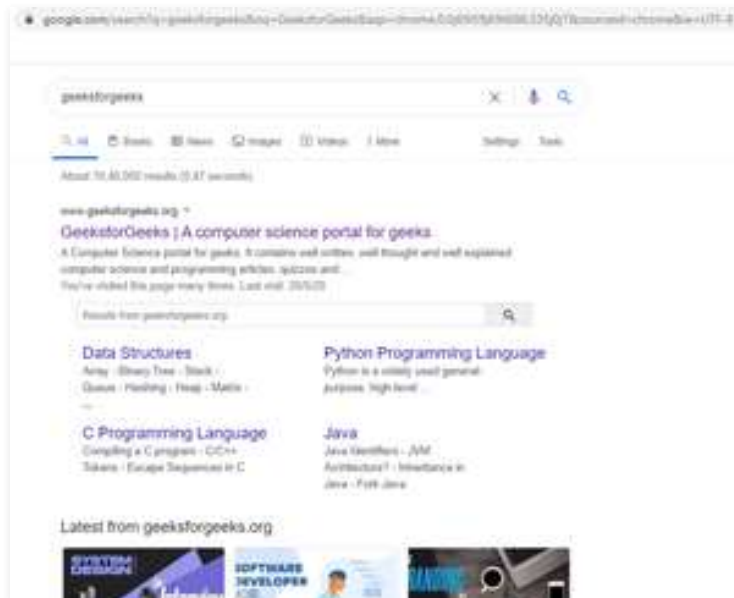
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Output:



4. Get information on particular topic:

We can get brief information on a particular topic. We can also limit the number of lines to be printed. Also, make sure that you are searching for the topics that are available on Wikipedia.

Syntax: `pywhatkit.info("topic", lines=x)`

Parameters:

- **Topic:** Gives the output on the topic mentioned.
- **lines:** It prints the searched topic in the specified number of lines.



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```
# using Exception Handling for
# handling unprecedented errors
try:

    # it will perform google search
    pywhatkit.info("Google", lines = 4)
    print("\nSuccessfully Searched")

except:

    # printing error message
    print("An Unknown Error Occurred")
```

Output:

Google LLC is an American multinational technology company that specializes in Internet-related services and products, which include online advertising technologies, a search engine, cloud computing, software, and hardware. It is considered one of the Big Four technology companies alongside Amazon, Apple and Microsoft. Google was founded in September 1998 by Larry Page and Sergey Brin while they were Ph.D. students at Stanford University in California. Together they own about 14 percent of its shares and control 56 percent of the stockholder voting power through supervoting stock. They incorporated Google as a California privately held company on September 4, 1998, in California.

Successfully Searched

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