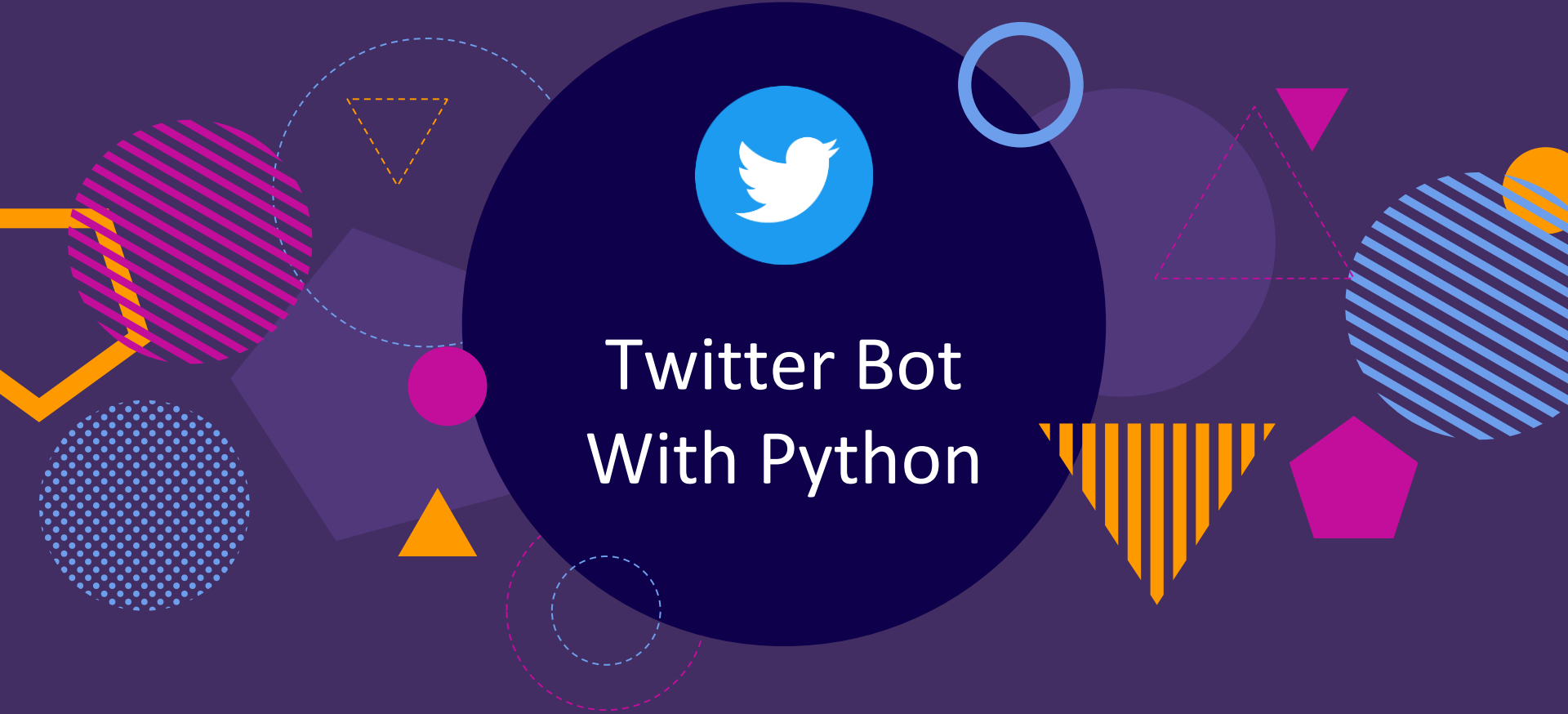




Twitter Bot With Python



Information



Approximately 500 million tweets are published every day — and not all of them from human users. In fact, if you've ever retweeted an article on Twitter, the chances are high that the tweet was created by a bot instead of a human user. Marketer learning how to make a twitter bot A study by Pew Research estimates that two-thirds of all tweeted links are shared by suspected bots. As bots continue to be more prolific on this popular social media platform, it's important to understand what a Twitter bot is exactly. You might even need to know how to make one. Since a bot can automate part or all of your Twitter activity, it can accelerate your Twitter marketing strategy while saving you time. Let's take a closer look at what a Twitter bot is and what benefits it offers below. What is a Twitter bot? A Twitter bot is an account that's programmed to perform actions, like send tweets at a scheduled time or follow accounts. These bots are created and managed via the Twitter API. By automating certain tasks, Twitter bots can help you establish an active presence on one of the most widely used social media platforms in less time. With a bot, you can schedule tweets to publish at times when you're not online. You can automate responses to new followers. You can retweet content with a particular keyword or hashtag. You can follow or unfollow accounts — and much more.



1.

What is a Twitter bot used for?





Twitter bots can be used for helpful purposes, such as broadcasting important content like weather emergencies in real time. They also can be used for malicious purposes such as spreading fake news and spam.



2.

How are Twitter bots made?





Twitter bots are automated Twitter accounts that are set up with bot software. They're programmed to perform tasks that resemble those of everyday Twitter users such as liking tweets, but their purpose is to tweet and retweet content for specific goals on a large scale.



3.

What are Twitter bot scams?





Cybercriminals can use these Twitter bots, or artificial automations, on a large scale, which enables them to use them in larger scams. These scams include things like spreading malicious content that contains malware to large groups of Twitter users at the same time or spreading political propaganda to influence elections.



4.

How prevalent are Twitter bots?





The prevalence of Twitter bots is up for debate, as seen in Elon Musk's backing out of a deal to buy Twitter due to the uncertainty surrounding this very question — and Twitter's alleged resistance to provide greater clarity on the issue.



5.

Are Twitter bots legal?





Twitter bots are not illegal. The key is that a Twitter bot must follow the social media platform's rules, which include refraining from using the service for malicious purposes like artificially amplifying or suppressing information.



6.

What is Twitter doing to combat bots?





Twitter suspends millions of bot accounts every month for malicious uses of its platform. These prohibited uses include malicious automation, creating multiple accounts for malicious purposes, fake and aggressive engagements, and spamming.



7.

Let's see what we have used to create
Twitter bot



Gecko Driver



Gecko Driver is a web browser engine which is used in many applications developed by Mozilla Foundation and the Mozilla Corporation. Gecko Driver is the link between your tests in Selenium and the Firefox browser. Gecko Driver is a proxy for using W3C WebDriver-compatible clients to interact with Gecko-based browsers

Firefox



Mozilla Firefox, or simply Firefox, is a free and open-source web browser developed by the Mozilla Foundation and its subsidiary, the Mozilla Corporation. It uses the Gecko rendering engine to display web pages, which implements current and anticipated web standards.

VS Code



Visual Studio Code, also commonly referred to as VS Code, is a source-code editor made by Microsoft with the Electron Framework, for Windows, Linux and macOS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git.

Python



Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation via the off-side rule. Python is dynamically typed and garbage-collected



8.

Let's have a look on source code



Source Code

```
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.common.keys import Keys
import time
```

```
class TwitterBot:
    def __init__(self,username,password):
        self.username = username
        self.password = password
        self.bot = webdriver.Firefox()
```

Source Code

```
def login(self):  
    bot = self.bot  
    bot.get('https://twitter.com/i/flow/login')  
    time.sleep(5)  
    email = bot.find_element(By.NAME, 'text')  
    email.send_keys(self.username)  
    email.send_keys(Keys.RETURN)  
    time.sleep(3)
```

Source Code

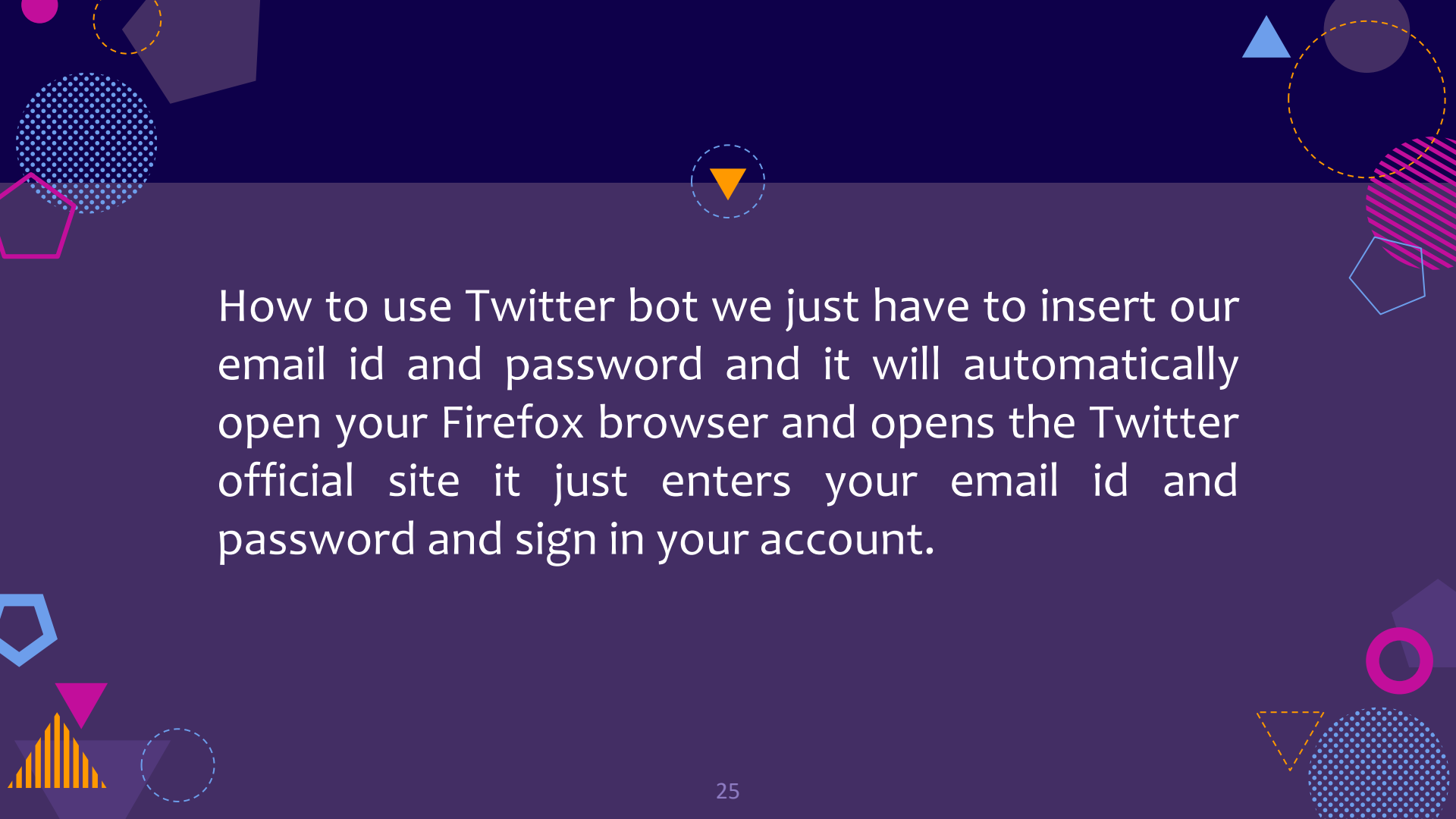
```
password = bot.find_element(By.NAME, 'password')  
password.send_keys(self.password)  
password.send_keys(Keys.RETURN)  
time.sleep(3)  
  
ed = TwitterBot("", "")  
ed.login()
```



9.

How to use Twitter bot



The slide features a dark blue background with a horizontal band of a slightly lighter shade of blue. Various geometric shapes are scattered around the edges: a pink pentagon, a blue dotted circle, and a yellow dashed circle in the top left; a blue triangle, a pink circle, and a yellow dashed circle in the top right; a yellow dashed circle with a blue triangle inside in the center; a blue pentagon, a pink circle, and a yellow dashed circle in the bottom left; and a pink circle, a blue dotted circle, and a yellow dashed circle in the bottom right.

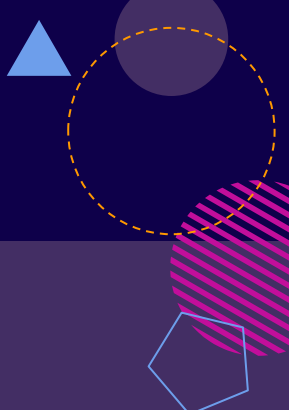

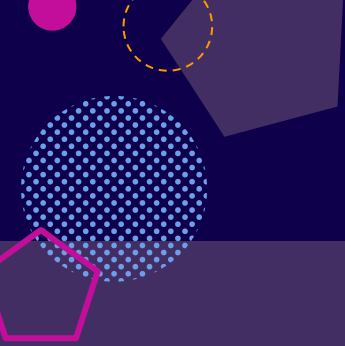
How to use Twitter bot we just have to insert our email id and password and it will automatically open your Firefox browser and opens the Twitter official site it just enters your email id and password and sign in your account.



10.

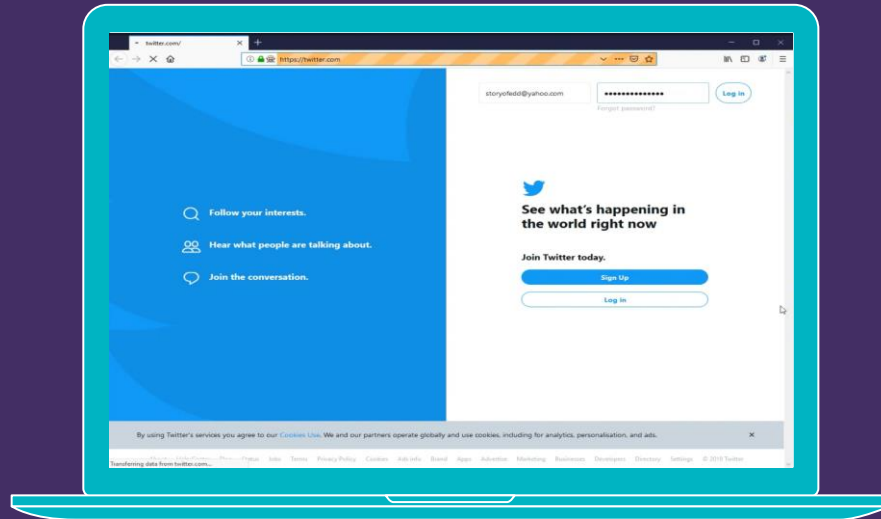
What else we can do with twitter bot
in future



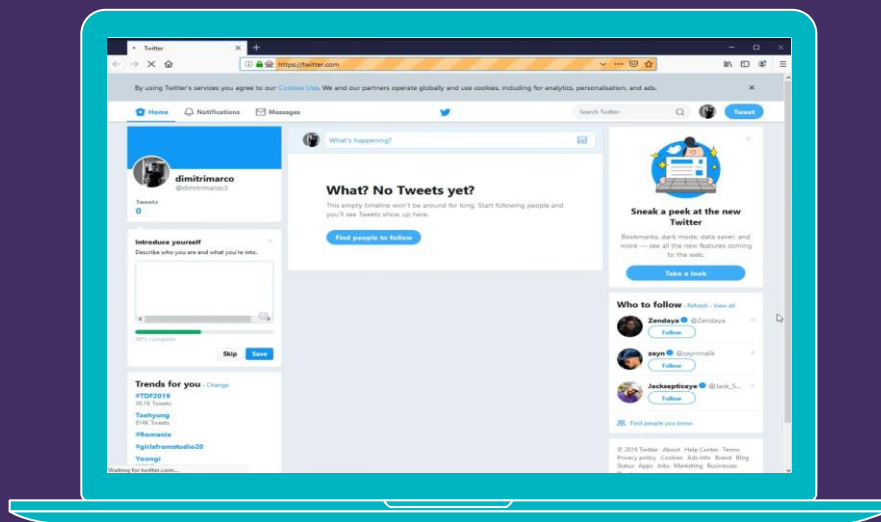


We can insert many things like auto-liking the tweets, auto-post tweets, we can schedule our tweets accordingly as we want, we can scrape twitter data and more.

Output



Output



Conclusion



Hence we have successfully done with the "Twitter bot" execution with the use of python and code run/executed using VS code. We have made this to make easy to login with individual twitter handles of specific user. This is very useful because it just has your information like your username, password already filled/it will auto-fill your required information. And once done with that it will open the "Firefox" Browser and login. And then you can see the twitter logged interface on your pc/laptop screen.

Reference Links



Python

<https://www.python.org/downloads/>

Firefox

<https://www.mozilla.org/en-US/firefox/new/>

P

F

G

Y

<https://github.com/mozilla/geckodriver/>

Gecko Driver

<https://www.youtube.com/watch?v=7ovFudqFB0Q>

YouTube

Team Presentation



Team Leader
Sarvesh Kadam

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Atharva Shelke
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Anuja Khade

The slide features a dark purple background with various geometric shapes in the corners. Top-left: a pink circle, a dashed yellow circle, a solid purple pentagon, a blue dotted circle, and a pink outline pentagon. Top-right: a blue triangle, a dashed yellow circle, a solid purple circle, a pink and white striped circle, and a white outline pentagon. Bottom-left: a blue outline pentagon, a pink triangle, a yellow and black striped triangle, a solid purple triangle, and a dashed yellow circle. Bottom-right: a pink ring, a dashed yellow triangle, a blue dotted circle, and a solid purple pentagon.

Thank You!