

These slides are available here:
<https://tinyurl.com/yb9l7gp2>

Using other text files in our Python Code

Slack API - Building a Chat Bot

API = application program interface

- 1- Install and Launch Virtual Env.
- 2- Install required python modules

Steps are a little different for Windows!

<https://programwithus.com/learn-to-code/Pip-and-virtualenv-on-Windows/>

INSTALL VIRTUAL ENVIRONMENT:

```
sudo pip install virtualenv
```

CREATE A FOLDER

CREATE A VIRTUAL ENVIRONMENT WHEN YOU ARE IN THIS FOLDER:

```
virtualenv starterbot
```

ACTIVATE THE VIRTUAL ENVIRONMENT

```
source starterbot/bin/activate
```

INSTALL SLACKCLIENT:

```
sudo pip install slackclient
```

// If you are having an error about “six package” TRY THIS --->

```
sudo pip install slackclient --ignore-installed six
```

- 3- CREATE A SLACK APP
- 4- COPY THE API KEY

CREATE A SLACK APP:

https://api.slack.com/apps?new_app=1

JOIN THIS SLACK CHANNEL (THIS IS THE INVITATION LINK)

<https://tinyurl.com/y8evop4h>

CREATE A SLACK BOT USER +

FIND THE BEST NAME FOR YOUR BOT THAT FITS WITH THE PERSONALITY
OF YOUR BOT

CLICK INSTALL APP AND COPY THE TOKENS

ON TERMINAL WINDOW TYPE THIS

(YOU SHOULD BE IN THE FOLDER+ VIRTUAL ENV. YOU HAVE BEEN
WORKING IN)

`export SLACK_BOT_TOKEN='your bot user access token here'`

Code time...

15 min. Challenge:

Rather than using lists in python code

Use other + multiple word list files to generate random messages

Sending random messages in every 5 seconds...

Assignment:

Create a new channel on slack

Make your own bot post to that channel

Challenge yourself:

Pair up with someone. Can you make your bots talk to each other?

Related Links:

Virtual Env.:

For Mac:

<https://virtualenv.pypa.io/en/stable/installation/>

For windows:

<https://programwithus.com/learn-to-code/Pip-and-virtualenv-on-Windows/>

Slack bot:

<https://www.fullstackpython.com/blog/build-first-slack-bot-python.html>

<https://api.slack.com/methods/chat.postMessage>