

# Python Modules

Code Girls 2021-22



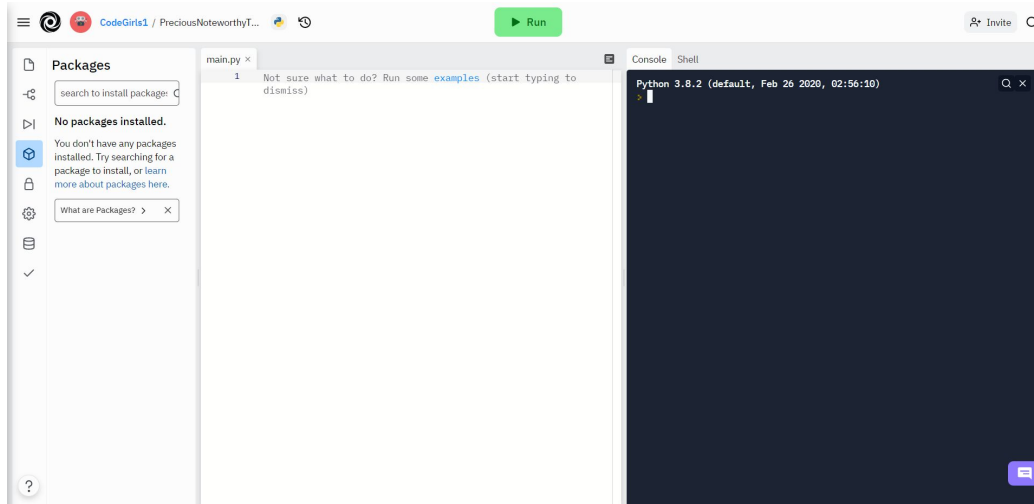


# Module, Package, and Library

- Module - Python file that need to be imported to use classes/functions
- Package - Directory that contains modules, classes, sub packages, etc.
- Libraries - Collection of related code

# Installation

- Command line - 'pip install' and module/library name
  - Ex: 'pip install turtle'
- Replit - Universal Package Manager





# Emoji/Emojis

- Use/print emojis

emoji.emojiize()

emoji.demojiize()

emojis.encode()

emoji.decode()

emoji.get()

emoji.count()

<https://github.com/carpedm20/emoji/>

<https://github.com/alexandrevicenzi/emojis>

- Emoji unicodes: <https://www.webfx.com/tools/emoji-cheat-sheet/>



# Howdoi

- Answer questions with command line
- <https://github.com/gleitz/howdoi>



# Wikipedia

- Get data from Wikipedia

wikipedia.summary(title, sentences)

wikipedia.search(title, results)

wikipedia.page(title)

wikipedia.set\_lang(language)

<https://github.com/goldsmith/Wikipedia>



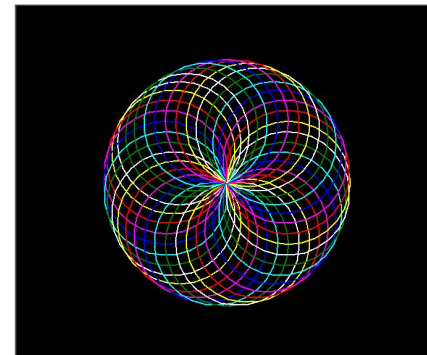
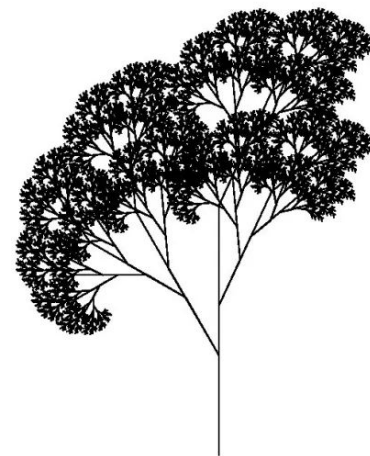
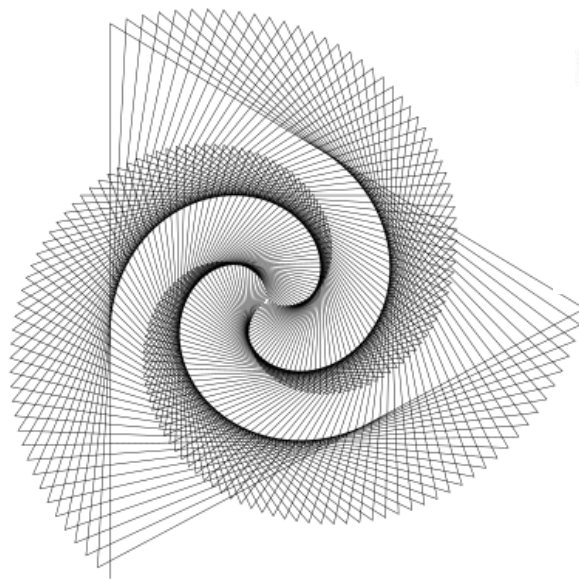
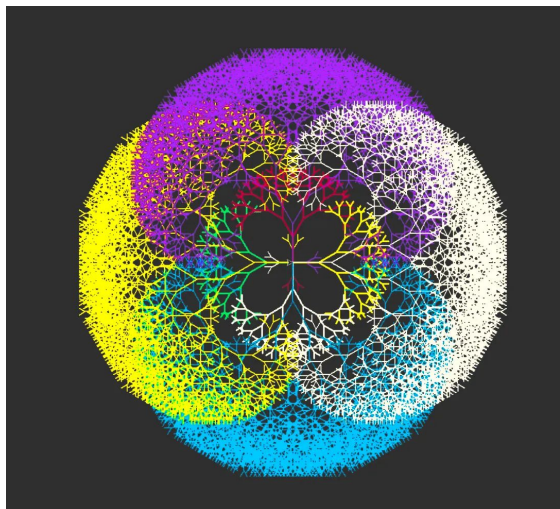
# Turtle

(Brief intro!)

- Draw pictures on virtual canvas
- <https://docs.python.org/3/library/turtle.html#module-turtle>

Method	Parameter	Description
Turtle()	None	Creates and returns a new turtle object
forward()	amount	Moves the turtle forward by the specified amount
backward()	amount	Moves the turtle backward by the specified amount
right()	angle	Turns the turtle clockwise
left()	angle	Turns the turtle counterclockwise

# Experiment!







# Replits

- For Emoji/Emojis, Howdoi, Wikipedia:

<https://replit.com/@CodeGirls1/21-22-Python-Libraries-Lecture?v=1>

- Turtle:

<https://replit.com/@CodeGirls1/21-22-Python-Libraries-Lecture-Turtle?v=1>



# Acknowledgments

Thanks to:

- Ms. Blasko for sponsoring our club and guidance