











# Functions

---

# Functions

---

# Functions

---



# While-loop

---

# While-loop

---











# For-loop

---



# For-loop

---

# For-loop

---























# Write Text Files, Read Text Files

---

# Write Text Files, Read Text Files

---

# Write Text Files, Read Text Files

---

# File Paths

---



# File Paths

---

# List Comprehensions

---

# List Comprehensions

---

# Comments

---

# Comments

---





# If, Elif, and Else Conditionals

---



# If, Elif, and Else Conditionals

---

# If, Elif, and Else Conditionals

---











# Try-Except and Exceptions

---



# Try-Except and Exceptions

---

# Continue Statement

---

# Continue Statement

---









# Function Arguments

---



# Function Arguments

---

# Multiple Arguments

---

# Multiple Arguments

---















# Decoupling Functions

---

# Decoupling Functions

---

# Local Modules and Import

---

# Local Modules and Import

---















# Third-Party Modules

---

# Third-Party Modules

---























































# Table of Contents

**Variables: 1**

**Lists: 3**

**Functions: 6**

**While-loop: 9**

**Methods: 11**

**Match-case: 14**

**For-loop: 16**

**Type-conversion: 19**

**List Indices: 21**

**Tuples: 23**

**Enumerate: 25**

**F-Strings: 27**

**Write Text Files, Read Text Files: 29**

**File Paths: 32**

**List Comprehensions: 34**

**Comments: 36**

**With-Context Manager: 38**

**If, Elif, and Else Conditionals: 40**

**Slicing: 43**

**Dictionaries: 45**

**Try-Except and Exceptions: 48**

**Continue Statement: 50**

**Custom Functions: 52**

**Function Arguments: 56**

**Multiple Arguments: 58**

**Decoupling Output: 60**

**Default Arguments: 62**

**Doc Strings: 64**

**Decoupling Functions: 66**

**Local Modules and Import: 68**

**Standard Modules: 70**

**Git and Github: 72**

**Third-Party Modules: 76**

**GUI: 78**

**Web Development with Streamlit: 80**

**Heroku Deployment: 86**

**PDF Generation with PdfKit: 88**

**Data Handling with Pandas: 92**

**Sending Emails: 98**