

Python

- Writing to CSV
- Creating and calling a Function
- Taking a screenshot
- Generating a Timestamp

Writing to CSV

To write to a CSV file

```
import csv

header = ['name', 'area', 'country_code2', 'country_code3']
data = ['Afghanistan', 652090, 'AF', 'AFG']

with open("C:\\Users\\Nicholas Goh\\Desktop\\test.csv", 'w', encoding='UTF8', newline='') as f:
    writer = csv.writer(f)

    # write the header
    writer.writerow(header)

    # write the data
    writer.writerow(data)
```

Change `'w'` to `'a'` for Append instead of Overwrite

Change `"C:\\Users\\Nicholas Goh\\Desktop\\test.csv"` to your CSV output location

Creating and calling a Function

Single Argument

```
def AFunctionSample(SampleArg):  
    print(SampleArg)  
  
AFunctionSample("Hello World!")
```

Multiple Arguments

```
def AFunctionSample(SampleArg1, SampleArg2):  
    print(SampleArg1 + SampleArg2)  
  
AFunctionSample("Hello World!", " It's Me!")
```

Note: The Function's Definition should always be before the Function's Call

Taking a screenshot

Full Screen

```
import pyautogui

pyautogui.screenshot("C:\\Users\\Nicholas Goh\\Desktop\\test.png")
```

Specific areas to screenshot can be specified by using the Region argument

```
import pyautogui

pyautogui.screenshot("C:\\Users\\Nicholas Goh\\Desktop\\test.png", region=(0, 0, 100, 200))
```

Replace `C:\\Users\\Nicholas Goh\\Desktop\\test.png` with your own file path and file name. Double backslash in the file path `\\` is required as `\` is an escape character

`Region` requires an integer value and signifies in order: Left, Top, Width from Left, Height from Top

Generating a Timestamp

To generate a timestamp

```
from datetime import datetime

TimeStamp = datetime.now().strftime("%Y%m%d-%H%M%S")
print(TimeStamp)
```

`%Y` Year in yyyy

`%y` Year in yy

`%m` Month in mm

`%d` Day in dd

`%H` Hour in HH

`%M` Minute in MM

`%S` Seconds in SS