Introductory Python Reference Sheet

Displaying Text on the Screen

```python
print("Hello, world!")
```

Pausing Until the User Presses [ENTER] to Continue

```python
input("Press [Enter] to continue")
```

Comments

```python
# These are comments, everything after
# the hash sign is ignored by Python
```

Letting the User Enter Text, Displaying it to the Screen

```python
name = input("Please enter your name:")

print("Hi, " + name + ", how are you?")
```

Making a Decision with an if Statement

```python
if name == "Joan":
  print("My name is Joan too!")

print("Have a nice day!")

# Note:"Have a nice day!" is always shown
# because it is not part of the IF
# code block
```

Not Equals with an if Statement

```python
if name != "Tom":
  print("Have you seen Tom, btw?")
```

Multiple if Statements

```python
if name == "Joan":
  print("My name is Joan too!")
if name == "John":
  print("My brother's name is John.")
if name == "Hugo":
  print("My best friend is called Hugo.")
print("Bye now!")
```

Repeating Code (goto Loops)

```python
keep_asking = True

while keep_asking:
    password = input("Please enter password:")
    if password != "letmein":
        print("Incorrect, try again.")
    else:
        print("Welcome inside!")
        keep_asking = False
```

Displaying Text in Colour

```python
from csinsc import *   # using code from
                       # the csinsc module
                       # needed for colour

print(Colour.red + "In red.")
print(Colour.blue + "In blue.")
print(Highlight.blue + "Blue highlight.")
print(Highlight.cyan + "Cyan highlight.")
print(Style.bold + "In bold.")
print(Style.underline + "Underlined.")
print(Colour.reset + "Back to normal.")

print(Colour.red + Highlight.blue + Style.bold +
"Combined red text, blue highlight and bolded!")
```

Colour and Style Guide

Colour.red	Highlight.red
Colour.orange	Highlight.orange
Colour.yellow	Highlight.yellow
Colour.green	Highlight.green
Colour.cyan	Highlight.cyan
Colour.blue	Highlight.blue
Colour.purple	Highlight.purple
Colour.magenta	Highlight.magenta
Colour.white	Highlight.white
Colour.grey	Highlight.grey
Style.bold	Style.underline