



Introductory Python Reference Sheet

Displaying Text on the Screen

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

Pausing Until the User Presses [ENTER] to Continue

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

Comments

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

Letting the User Enter Text, Displaying it to the Screen

```
name = input("Please enter your name:")  
  
print("Hi, " + name + ", how are you?")
```

Making a Decision with an if Statement

```
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

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

Multiple if Statements

```
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)

```
from csinsc import * # using code from  
                    # the csinsc module  
                    # needed for goto  
  
label .ask_again  
password = input("Enter password:")  
  
if password != "letmein":  
    print("Incorrect, try again.")  
    goto .ask_again  
  
print("Welcome inside!")
```

Displaying Text in Colour

```
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 |