Platform: Windows 10
Version: Python 3.6.2 (32 bit)

Program: Command Prompt
Version: Microsoft Windows [Version 10.0.15063]

Platform: Windows 10
Version: git version 2.8.1.windows.1

Python

A Variable can be used to store and retrive values

Example: Hello World
```
print("Hello World")
```
Example: Hello World with Variable
```
message = "Hello World"
print(message)
```

A List is a variable that can store other variables

Example: List & Print
```
names = ["Bob", "Jane", "Alex"]
print(names[0])
print(names[1])
```

A module is a collection of code that provides extra features

Example: Roll a dice
```
import random
print(random.randint(1,6))
```

Conditional Execution runs code based on condition

Example: Win on Heads (Coinflip)
```
import random
flip = random.randint(0,1)
if(flip == 0):
    print("You win!")
```

Terminal

To navigate, CMD can be used instead of Windows Explorer

Example: Navigate to folder
```
cd Demo
```
Example: Navigate to parent folder
```
cd ..
```
Example: Open a file with notepad
```
notepad eightball.py
```
Example: Make a folder
```
mkdir testfolder
```

To execute a python program, the terminal can be used

Example: Run python program in /demo
```
cd test
python eightball.py
```
Example: Open Python IDLE in folder
```
python -m idlelib
```
Example: Open file with Python IDLE
```
python -m idlelib eightball.py
```

Shell mode is like the IDLE, but within the terminal

Example: Start the shell
```
python
```

If you want to stop a terminal command, use CTRL + C

Git & GitHub

Keep track of changes, with a git repository (repo)

Example: Setup a repo and commit
```
git init
git add -A
git commit -m "Commit Message"
git log --oneline --graph --all
--decorate
```

Branch a program to create different versions, such as for new features

Example: New branch and commit
```
git branch loop
git checkout loop
```

Merge a branch to combine code from one commit into another

Example: New branch and commit
```
git checkout master
git merge loop
```

Establish a remote to push files to and pull files from

Example: Add a remote and pull/push
```
git remote add origin
https://github.com/noah-dev/talk_1
git pull master origin
git push master origin
```