

Intro To Python: Class 1 Outline

1) Why Python is dominant

CG_Software_Python.pdf

2) Cookbook Recipe: Computer Program Paradigm

sequence of tasks, condition, repetition, interrupts, assistants doing separate tasks

3) Computer Architecture

memory, ALU or CPU, registers, data bus, input/output devices, operating system

simple_comparch_01.png

Intro to Computer Architecture

https://www.youtube.com/watch?v=HEjPop-aK_w

4) Data Representation

byte, word, signed and unsigned integers, floating point, stack, array, linked list

binary vs hexadecimal vs decimal

5) Assembler vs Compiler vs Interpreter

6) C++ vs Python

cplusplus_vs_python.pdf

7) Maya scripting with Python

brief intro to module imports

scripts folder, userSetup.py, Maya.env, Custom shelf

8) Chris Zurbrigg tutorials

zurbrigg_tutorials.pdf

9) Present Homework

class1_homework.pdf

10) Other docs

python_keys_funcs.pdf, python_variables_types_01.jpg, bin_hex_ascii.pdf,

python_expressions.pdf

11) Python Scripts

templatescript.py, demoscrypt.py, seqtypes.py

<https://github.com/skoshiwosh/democode>