

## Learning Outcomes: VIST 170 – Introduction to Visualization Computing Environments

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### Level 1 – Knowledge

- Identify object oriented concepts in script development.

### Level 2 - Comprehension

- Explain computing terminology and principles relevant to computing for visualization.
- Explain and use the Linux command structure to manipulate files and directories.
- Explain and utilize basic flow of control structures in the development of python scripts.
- Explain and use basic data structures in the creation of python scripts.
- Explain and utilize top down programming concepts in the development of python scripts.

### Level 3 - Application

- Employ simple debugging techniques useful in creating correct algorithms.
- Install, setup and use the Linux operating system as a virtual machine.

### Level 4 - Analysis

- N/A

### Level 5 - Synthesis

- Develop a simple GUI using a graphics library.
- Develop habits necessary for effective script development.

### Level 6 - Evaluation

- N/A