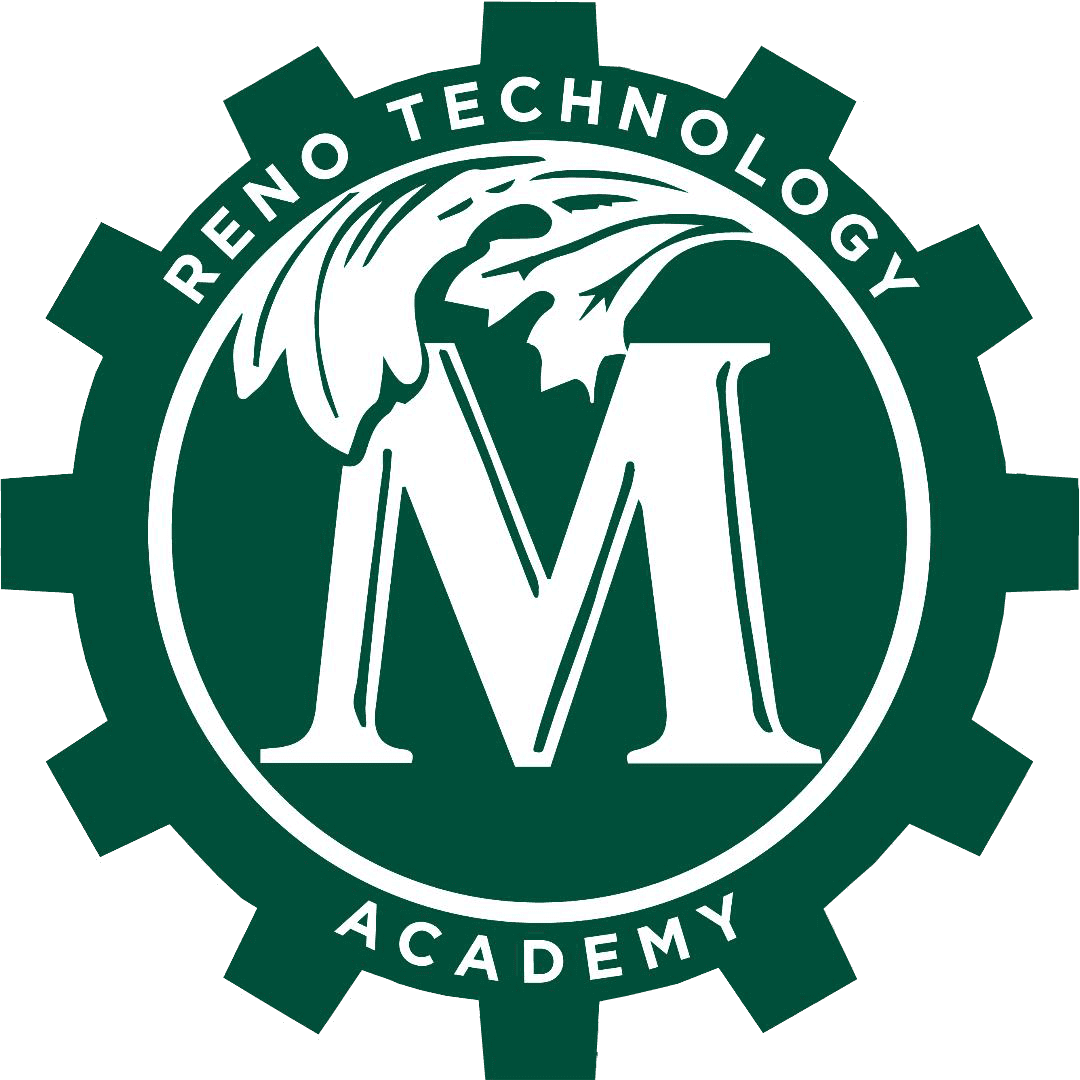
**Reno Technology Academy**

Multnomah University Reno/Tahoe  
CIS104: Coding in Python

Week 1: Introduction, Setup, Hello World, and Data Types

Installation:

<https://code.visualstudio.com/download>

<https://www.python.org/downloads/>

<https://code.visualstudio.com/docs/languages/python>

Hello World:

<https://code.visualstudio.com/docs/python/python-tutorial>

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Lab Assignment 1: Get to Know You

Write an application which prompts the user for a few bits of information about themselves and outputs a greeting to the console:

• Prompt the user to enter their first and last name, each into different variables.

• Prompt the user to enter their age.

• Prompt the user to express their confidence in programmers between 0-100%.

• Calculate the age of the user in dog years (1 human year = 7 dog years).

• Output a greeting in the form: “Hello *first\_name last\_name*, nice to meet you! You might be *age* in human years, but in dog years you are *dog\_age*.“

• Convert their programmer confidence to a double. If their confidence is less than 50% (0.5), output the statement: “I

agree, programmers can’t be trusted!”, otherwise output the statement “Writing good code takes hard work!”.

• Use functions to get the input from the user, and a function to handle the output.

Lab Assignment 2:

Write an application which calculates the sum (addition) and the product (multiplication) of every prime number between 1 and 1000:

• The sum of the prime numbers should be output to the console on one line.

• The product of the prime numbers should be output to the console on another line.