CYOP 300, Week One

Ryan Gant; Prof Melissa Pike

Date: Aug 19, 2025

Below is the test table whose input matches the respective attached images below this page (the images are labeled in correlation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1A | Input | Expected Output | Actual Output | Pass? |
| 1B | First=ryan, Last=gant, Age=21, Citizen=y, State=fl, ZIP=32224 | Summary shows Name **ryan gant**, Age **21**, U.S. Citizen **Yes**, State **FL**, Zipcode **32224**; thank-you message | Matches expected; summary printed with those values | Yes |
| 1C | First=ert (invalid), Last=213 (invalid), Last=asd, Age=sd (invalid), Age=150 (invalid), Age=18, Citizen=n | Re-prompts on invalid last name and age; after Citizen=No, print “Only U.S. citizens are eligible to register to vote.” and exit | Exactly as expected; invalid messages shown, then not-a-citizen message and exit | Yes |
| 1D | First=ssd, Last=asd, Age=21, Citizen=y, State=gh (invalid), State=GA, ZIP=321479234234? (invalid), ZIP=32555 | Re-prompts for state and ZIP; final summary shows Name **ssd asd**, Age **21**, U.S. Citizen **Yes**, State **GA**, Zipcode **32555** | Matches expected; re-prompts shown, final summary with GA and 32555 | Yes |

1B) The first test case was with input of which is expected and passed without issue.

A computer screen shot of a black screen

Description automatically generated

1C) The second test case has unexpected input to test several sections of code to include using numerical values as a name, char input for age, and an age more than 120 which is unrealistic.

A computer screen shot of a computer

Description automatically generated

1D) The final test case tested the functionality for the state code recognition system and the zip code system where I attempted to input a value not listed within the hash map, and a non-supported value as a zip code.

A screenshot of a computer

Description automatically generated

A few Pylint issues remain to include whitespace which I missed when cleaning up as well as a few function and variable naming convention issues.

