

Requirement:

- The application will launch and run from the command line prompt. The application will prompt the user for their first name, last name, age, country of citizenship, state of residence and zip-code.
- The output should summarize the input data and congratulate the user if they are eligible to vote and entered all of the data.

Input:	Yes, USA, y, 35, y, Allen, y, Taylor, y, NY, y, 14094, y
Expected Output:	No Errors.
Actual Output:	No Errors.

```
Windows PowerShell
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1> python .\SDEV_300_6382_Lab1.py
=====
Welcome to the Python Voter Registration App!
=====
Proceed with Voter Registration? [Yes or No]:
Yes
Country of Citizenship [Example: USA]:
USA
Continue? [Yes/No]:
y
Age:
35
Continue? [Yes/No]:
y
First Name:
Allen
Continue? [Yes/No]:
y
Last Name:
Taylor
Continue? [Yes/No]:
y
State of Residence [Example: NY, FL, TX]:
NY
Continue? [Yes/No]:
y
ZIP Code [Format: xxxxx or xxxxx-xxxx]:
14094
=====
Please confirm the following information:
=====
Country of Citizenship: USA
Age: 35
First Name: Allen
Last Name: Taylor
State of Residence: NY
Zipcode: 14094
=====
Information is correct? [Yes/No]:
y
Thank you for submitting your voter registration. Have a wonderful day.
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>
```

Requirement:

- The user should be given options to exit the program at any time to cancel the registration process.

Input:	No
Expected Output:	Program exits.
Actual Output:	Program exits.

```
Windows PowerShell
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1> python .\SDEV_300_6382_Lab1.py
=====
Welcome to the Python Voter Registration App!
=====
Proceed with Voter Registration? [Yes or No]:
No
Now exiting the Python Voter Registration App! Goodbye!
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>
```

Input:	Yes, USA, Y, 18, N
Expected Output:	User can exit the program at any time.
Actual Output:	User can exit the program at any time.

```
Windows PowerShell
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1> python .\SDEV_300_6382_Lab1.py
=====
Welcome to the Python Voter Registration App!
=====
Proceed with Voter Registration? [Yes or No]:
Yes
Country of Citizenship [Example: USA]:
USA
Continue? [Yes/No]:
Y
Age:
18
Continue? [Yes/No]:
N
Now exiting the Python Voter Registration App! Goodbye!
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>
```

Requirement:

If they are at least 18 years old and a U.S citizen, they can move forward and be prompted for the remaining questions and register to vote. If not, they should not be presented with the additional questions.

Input:	Yes, Scotland
Expected Output:	Program exits because user did not input "USA".
Actual Output:	Program exits because user did not input "USA".

```
Windows PowerShell
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1> python .\SDEV_300_6382_Lab1.py
=====
Welcome to the Python Voter Registration App!
=====
Proceed with Voter Registration? [Yes or No]:
Yes
Country of Citizenship [Example: USA]:
Scotland
Unfortunately, you are ineligible to vote. Exiting program.
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>
```

Input:	Yes, USA, Y, 17
Expected Output:	Program exits because user is not a valid voting age.
Actual Output:	Program exits because user is not a valid voting age.

```
Windows PowerShell
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1> python .\SDEV_300_6382_Lab1.py
=====
Welcome to the Python Voter Registration App!
=====
Proceed with Voter Registration? [Yes or No]:
Yes
Country of Citizenship [Example: USA]:
USA
Continue? [Yes/No]:
Y
Age:
17
Unfortunately, you are ineligible to vote. Exiting program.
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>
```

Requirement:

There should be some error checking logic on the input statements to make sure the age numbers entered seem reasonable (e.g., a person is probably not > 120 years) and states should be 2 letters representing only valid U.S. States.

Input:	Yes, USA, Y, 0, -1, 150, Error, \$\$\$, 18, N
Expected Output:	Program displays <i>Invalid Entry</i> when Age is an invalid value.
Actual Output:	Program displays <i>Invalid Entry</i> when Age is an invalid value.

```
Windows PowerShell
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1> python .\SDEV_300_6382_Lab1.py
=====
Welcome to the Python Voter Registration App!
=====
Proceed with Voter Registration? [Yes or No]:
Yes
Country of Citizenship [Example: USA]:
USA
Continue? [Yes/No]:
Y
Age:
0
Invalid Entry.
Age:
-1
Invalid Entry.
Age:
150
Invalid Entry.
Age:
Error
Invalid Entry.
Age:
$$$
Invalid Entry.
Age:
18
Continue? [Yes/No]:
N
Now exiting the Python Voter Registration App! Goodbye!
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>
```

Input:	Yes, USA, y, 45, y, Allen, y, Taylor, y, Error Check, 123, \$\$\$, New York, NY, No
Expected Output:	Program displays <i>Invalid Entry</i> when State is an invalid value.
Actual Output:	Program displays <i>Invalid Entry</i> when State is an invalid value.

```

Windows PowerShell
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1> python .\SDEV_300_6382_Lab1.py
=====
Welcome to the Python Voter Registration App!
=====
Proceed with Voter Registration? [Yes or No]:
Yes
Country of Citizenship [Example: USA]:
USA
Continue? [Yes/No]:
y
Age:
35
Continue? [Yes/No]:
y
First Name:
Allen
Continue? [Yes/No]:
y
Last Name:
Taylor
Continue? [Yes/No]:
y
State of Residence [Example: NY, FL, TX]:
Error Check
Invalid Entry.
State of Residence [Example: NY, FL, TX]:
123
Invalid Entry.
State of Residence [Example: NY, FL, TX]:
$$$
Invalid Entry.
State of Residence [Example: NY, FL, TX]:
New York
Invalid Entry.
State of Residence [Example: NY, FL, TX]:
NY
Continue? [Yes/No]:
No
Now exiting the Python Voter Registration App! Goodbye!
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>

```

Requirement:

- The application should prompt the user for the needed questions to complete the registration and re-prompt when data is invalid giving the user the opportunity to retry.

Input:	Yes, USA, y, 35, y, \$\$\$\$, 33333, Allen, y, 44444, \$\$\$\$, Taylor, y, check, NY, y, 66666666666666666666, zip, 14094, y
Expected Output:	Program displays <i>Invalid Entry</i> when bad data is entered.
Actual Output:	Program displays <i>Invalid Entry</i> when bad data is entered.

```
Windows PowerShell
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1> python .\SDEV_300_6382_Lab1.py
=====
Welcome to the Python Voter Registration App!
=====
Proceed with Voter Registration? [Yes or No]:
yes
Country of Citizenship [Example: USA]:
USA
Continue? [Yes/No]:
y
Age:
35
Continue? [Yes/No]:
Y
First Name:
$$$$
Invalid Entry.
First Name:
33333
Invalid Entry.
First Name:
Allen
Continue? [Yes/No]:
y
Last Name:
44444
Invalid Entry.
Last Name:
$$$$
Invalid Entry.
Last Name:
Taylor
Continue? [Yes/No]:
y
```

```
y
Last Name:
44444
Invalid Entry.
Last Name:
$$$$
Invalid Entry.
Last Name:
Taylor
Continue? [Yes/No]:
y
State of Residence [Example: NY, FL, TX]:
check
Invalid Entry.
State of Residence [Example: NY, FL, TX]:
NY
Continue? [Yes/No]:
y
ZIP Code [Format: xxxxx or xxxxx-xxxx]:
66666666666666666666
Invalid Entry.
ZIP Code [Format: xxxxx or xxxxx-xxxx]:
zip
Invalid Entry.
ZIP Code [Format: xxxxx or xxxxx-xxxx]:
14094
=====
Please confirm the following information:
=====
Country of Citizenship: USA
Age: 35
First Name: Allen
Last Name: Taylor
State of Residence: NY
Zipcode: 14094
=====
Information is correct? [Yes/No]:
y
Thank you for submitting your voter registration. Have a wonderful day.
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>
```

PyLint Output:

```
Windows PowerShell
***** Module SDEV_300_6382_Lab1
SDEV_300_6382_Lab1.py:8:0: C0301: Line too long (309/100) (line-too-long)
SDEV_300_6382_Lab1.py:1:0: C0103: Module name "SDEV_300_6382_Lab1" doesn't conform to snake_case naming style (invalid-name)

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Your code has been rated at 9.83/10
PS C:\Users\Allen\Desktop\SDEV 300\Lab_1>
```