

TEST #	INPUT	EXPECTED	ACTUAL	PASS/FAIL
1	AGE: 21	Next question.. would you like to continue?	Enter Age: 21 Next question... Would you like to continue voter registration? (yes or no)yes Next question...	PASS
2	CITIZEN STATUS: YES	Would you like to continue registration?	Are you a U.S. Citizen? (yes or no)yes Would you like to continue voter registration? (yes or no)	PASS
3	AGE: 21 STATUS: yes END PROGRAM?: yes	An appreciation message to the user for using application	Enter Age: 21 Next question... Would you like to continue voter registration? (yes or no)yes Next question... Are you a U.S. Citizen? (yes or no)yes Would you like to continue voter registration? (yes or no)no Thank you for using this application, hope to see you soon!	PASS
4	AGE: 31 STATUS: YES CONTINUE PROGRAM?: NAME:Thomas Johnson CONTINUE PROGRAM?: yes STATE: md CONTINUE PROGRAM?: yes ZIPCODE:21046	Once entered name, a thank you to (name) continuing the display of all entered information will happen after the zipcode is entered. Included a congrats for registering	Enter Age: 31 Next question... Would you like to continue voter registration? (yes or no)yes Next question... Are you a U.S. Citizen? (yes or no)yes Would you like to continue voter registration? (yes or no)yes Next question... Enter First name: Thomas Enter Last name: Johnson Thank you,Thomas Would you like to continue voter registration? (yes or no)yes Next question...	PASS

			<p>Enter the state in which you live? (ie:MD,PA,VA): md Would you like to continue voter registration? (yes or no)yes Next question... Enter Zipcode: 21046</p> <p>Congratulations, you have finished voter registration! You entered the following: ##### Name(F,L):('Thomas', 'Johnson') U.S. Citizen?:Yes Age:31 State of Residence:MD Zipcode:21046 ##### Thank you for registering to vote!</p>	
5	AGE:27 STATUS: yes CONTINUE PROGRAM?:yes NAME: Jane Frame CONTINUE PROGRAM?: yes STATE:wa CONTINUE PROGRAM?:234	Should give error message then repeat the question	##### Welcome To Voter Registration Application! ##### Let's begin registration! Enter Age: 27 Next question... Would you like to continue voter registration? (yes or no)yes Next question... Are you a U.S. Citizen? (yes or no)yes Would you like to continue voter registration? (yes or no)yes Next question... Enter First name: Jane Enter Last name: Frame Thank you,Jane	PASS

			<p>Would you like to continue voter registration? (yes or no)234</p> <p>There seems to be an error, invalid input, try again!</p> <p>Would you like to continue voter registration? (yes or no)</p>	
6	AGE: 15	Error message saying age did not meet requirement to continue then exit program	<p>##### Welcome To Voter Registration Application! #####</p> <p>Let's begin registration!</p> <p>Enter Age: 15</p> <p>Unfortunately, the entered age does not meet age requirements to continue!</p>	PASS
7	AGE: 130	Error message stating the age seems incorrect. Then repeats question	<p>##### Welcome To Voter Registration Application! #####</p> <p>Let's begin registration!</p> <p>Enter Age: 130</p> <p>Hmm... Seems unlikely, please try again!</p>	PASS
8	CITIZEN STATUS:wieuhf	Error message with a repeat of question	<p>##### Welcome To Voter Registration Application! #####</p> <p>Let's begin registration!</p> <p>Enter Age: 23</p> <p>Next question...</p> <p>Would you like to continue voter registration? (yes or no)yes</p> <p>Next question...</p> <p>Are you a U.S. Citizen? (yes or no)wieuhf</p> <p>There seems to be an error, invalid input, try again!</p> <p>Are you a U.S. Citizen? (yes or no)</p>	PASS
9	AGE: 18 STATUS: yes CONTINUE PROGRAM?:37&	Error message and repeat of question this is in essence the same test case as 5.	<p>##### Welcome To Voter Registration Application! #####</p> <p>Let's begin registration!</p>	PASS

		However, this is to test error handling in a different part of the program.	Enter Age: 18 Next question... Would you like to continue voter registration? (yes or no)yes Next question... Are you a U.S. Citizen? (yes or no)yes Would you like to continue voter registration? (yes or no)37& There seems to be an error, invalid input, try again! Would you like to continue voter registration? (yes or no)	
10	AGE: 20 STATUS: yes CONTINUE PROGRAM?: yes NAME:John Smith CONTINUE PROGRAM?:yes STATE: weh	Error message stating that the State must be 2 letters. Then a repeat of question	##### Welcome To Voter Registration Application! ##### Let's begin registration! Enter Age: 20 Next question... Would you like to continue voter registration? (yes or no)yes Next question... Are you a U.S. Citizen? (yes or no)yes Would you like to continue voter registration? (yes or no)yes Next question... Enter First name: John Enter Last name: Smith Thank you,John Would you like to continue voter registration? (yes or no)yes Next question... Enter the state in which you live? (ie:MD,PA,VA): weh State must be in two letter format! (MD) Enter the state in which you live? (ie:MD,PA,VA):	PASS

11	AGE: 120 STATUS: yes CONTINUE PROGRAM?: yes NAME: Toby Mcguire CONTINUE PROGRAM?: yes STATE: ca CONTINUE PROGRAM?: yes ZIPCODE: 213453	Error message stating zip must be 5 digits and a repeat of prompt	##### Welcome To Voter Registration Application! ##### Let's begin registration! Enter Age: 120 Next question... Would you like to continue voter registration? (yes or no)yes Next question... Are you a U.S. Citizen? (yes or no)yes Would you like to continue voter registration? (yes or no)yes Next question... Enter First name: toby Enter Last name: mcguire Thank you,Toby Would you like to continue voter registration? (yes or no)yes Next question... Enter the state in which you live? (ie:MD,PA,VA): ca Would you like to continue voter registration? (yes or no)yes Next question... Enter Zipcode: 213453 Invalid input, must be 5 digits! please try again! (ie: 21158) Enter Zipcode:	PASS
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Test Case Screen Shots:

#1

```
120     splay all entered data.
121     t('\n\tCongratulations, you have finished voter registration! You entered t
122     t('#####')
123     t(f'\tName(F,L):{NAME}\n'
124       f'\tU.S. Citizen?:{COUNTRY}\n'
125       f'\tAge:{AGE}\n'
126       f'\tState of Residence:{STATE}\n'
127       f'\tZipcode:{CODE}')
128     t('#####')
129     t('Thank you for registering to vote!')
130
```

valid_age() > while True > elif age > 120

Run: lab_one_voter_reg x

"/Users/joelgoode/Desktop/SDEV 300/bin/Python" /Users/joelgoode/PycharmPro

Welcome To Voter Registration Application!

Let's begin registration!

Enter Age: 21

Next question...

Would you like to continue voter registration? (yes or no)

#2

```
Next question...
Are you a U.S. Citizen? (yes or no)yes
Would you like to continue voter registration? (yes or no)
```

#3

```
SDEV 300 lab_one_voter_reg.py | Console
111 end_registration()
112 COUNTRY = get_name()
113 end_registration()
114 NAME = get_name()
115 end_registration()
116 STATE = get_state()
117 end_registration()
118 CODE = get_zipcode()
119 break
120 splay all entered data.
121 t('\n\tCongratulations, you have finished voter registration! You entered t
122 t('#####')
123 t(f'\tName(F,L):{NAME}\n'
124   f'\tU.S. Citizen?:{COUNTRY}\n'
125   f'\tAge:{AGE}\n'
126   f'\tState of Residence:{STATE}\n'
127   f'\tZipcode:{CODE}')
128 t('#####')
129 t('Thank you for registering to vote!')
130
```

Run: lab_one_voter_reg

Welcome To Voter Registration Application!

Let's begin registration!

Enter Age:

Next question...

Would you like to continue voter registration? (yes or no)yes

Next question...

Are you a U.S. Citizen? (yes or no)yes

Would you like to continue voter registration? (yes or no)yes

Thank you for using this application, hope to see you soon!

Process finished with exit code 1

#4

```
##### Welcome To Voter Registration Application! #####
Let's begin registration!
Enter Age: 31
Next question...
Would you like to continue voter registration? (yes or no)yes
Next question...
Are you a U.S. Citizen? (yes or no)yes
Would you like to continue voter registration? (yes or no)yes
Next question...
Enter First name: Thomas
Enter Last name: Johnson

Thank you,Thomas
Would you like to continue voter registration? (yes or no)yes
Next question...
Enter the state in which you live? (ie:MD,PA,VA): md
Would you like to continue voter registration? (yes or no)yes
Next question...
Enter Zipcode: 21046

Congratulations, you have finished voter registration! You entered the following:
#####
Name(F,L):('Thomas', 'Johnson')
U.S. Citizen?:Yes
Age:31
State of Residence:MD
Zipcode:21046
#####
Thank you for registering to vote!
```

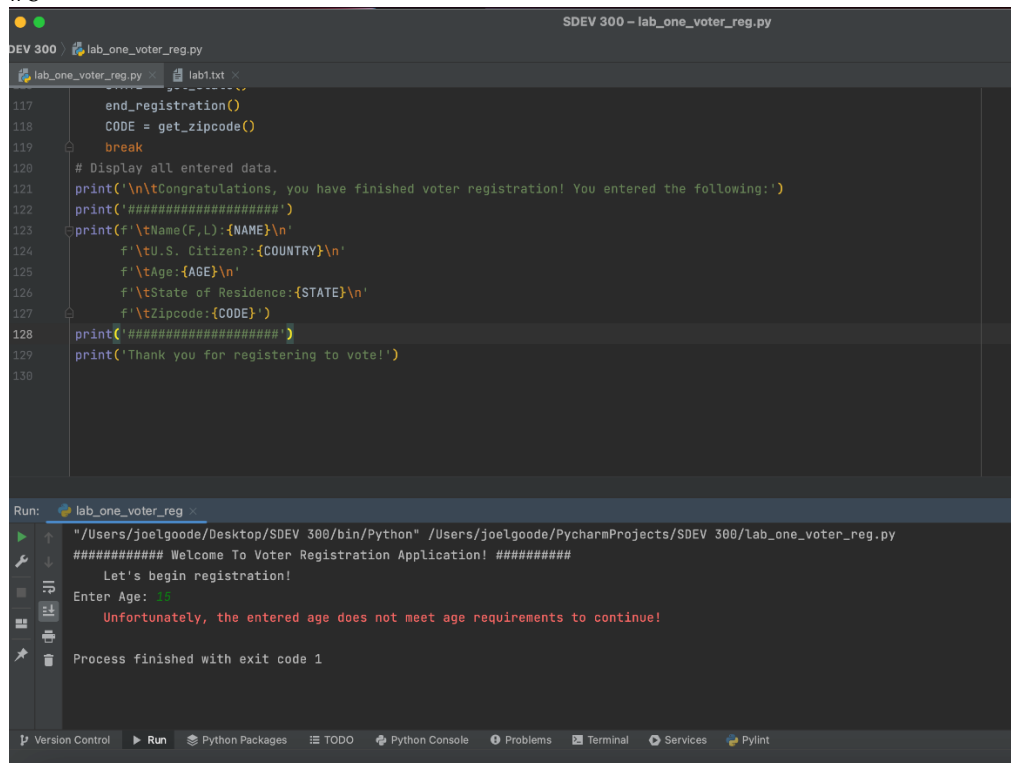
#5

```
128 print('#####')
129 print('Thank you for registering to vote!')
130
```

```
Run: lab_one_voter_reg x
"/Users/joelgoode/Desktop/SDEV 300/bin/Python" /Users/joelgoode/PycharmPro
##### Welcome To Voter Registration Application! #####
Let's begin registration!
Enter Age: 27
Next question...
Would you like to continue voter registration? (yes or no)yes
Next question...
Are you a U.S. Citizen? (yes or no)yes
Would you like to continue voter registration? (yes or no)yes
Next question...
Enter First name: Jane
Enter Last name: Frame

Thank you,Jane
Would you like to continue voter registration? (yes or no)234
There seems to be an error, invalid input, try again!
Would you like to continue voter registration? (yes or no)[
```

#6



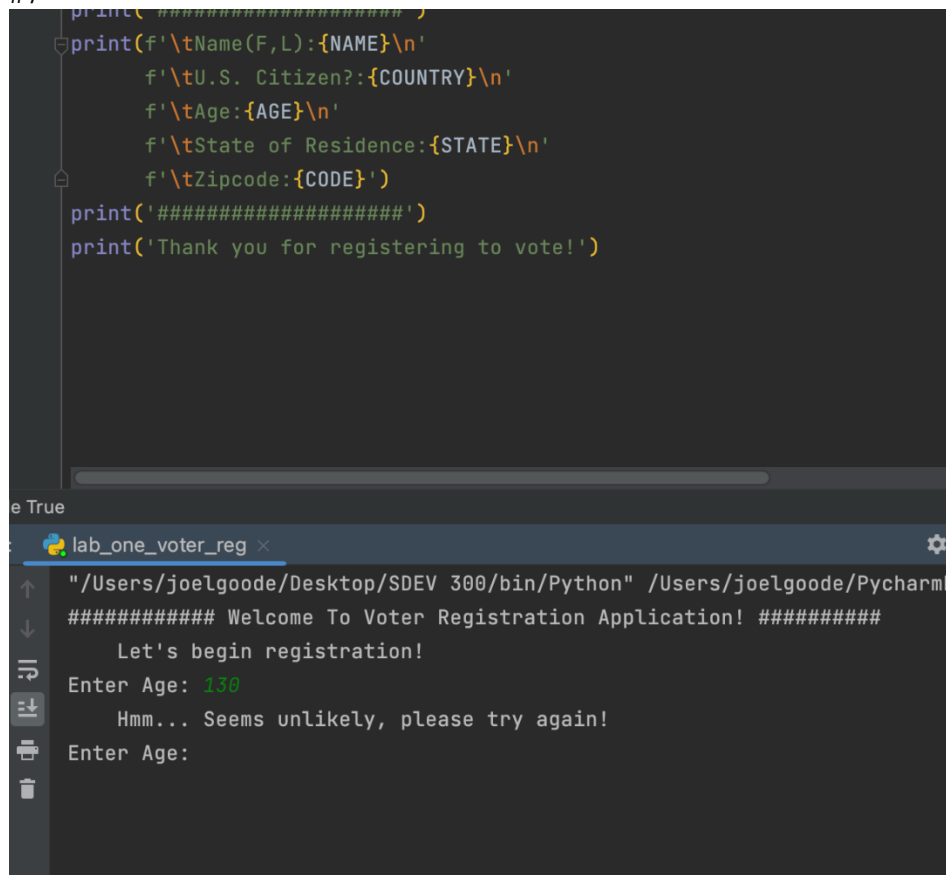
The screenshot shows a PyCharm IDE window titled "SDEV 300 - lab_one_voter_reg.py". The editor displays a Python script with the following code:

```
117     end_registration()
118     CODE = get_zipcode()
119     break
120     # Display all entered data.
121     print('\n\tCongratulations, you have finished voter registration! You entered the following:')
122     print('#####')
123     print(f'\tName(F,L):{NAME}\n'
124           f'\tU.S. Citizen?:{COUNTRY}\n'
125           f'\tAge:{AGE}\n'
126           f'\tState of Residence:{STATE}\n'
127           f'\tZipcode:{CODE}')
128     print('#####')
129     print('Thank you for registering to vote!')
130
```

The Run window at the bottom shows the execution of the script. The output is as follows:

```
Run: lab_one_voter_reg x
"/Users/joelgoode/Desktop/SDEV 300/bin/Python" /Users/joelgoode/PycharmProjects/SDEV 300/lab_one_voter_reg.py
##### Welcome To Voter Registration Application! #####
Let's begin registration!
Enter Age: 13
Unfortunately, the entered age does not meet age requirements to continue!
Process finished with exit code 1
```

#7



The screenshot shows a PyCharm IDE window titled "lab_one_voter_reg x". The editor displays a Python script with the following code:

```
print('#####')
print(f'\tName(F,L):{NAME}\n'
      f'\tU.S. Citizen?:{COUNTRY}\n'
      f'\tAge:{AGE}\n'
      f'\tState of Residence:{STATE}\n'
      f'\tZipcode:{CODE}')
print('#####')
print('Thank you for registering to vote!')
```

The Run window at the bottom shows the execution of the script. The output is as follows:

```
lab_one_voter_reg x
"/Users/joelgoode/Desktop/SDEV 300/bin/Python" /Users/joelgoode/PycharmP
##### Welcome To Voter Registration Application! #####
Let's begin registration!
Enter Age: 130
Hmm... Seems unlikely, please try again!
Enter Age:
```


#8

```
print('#####')
print(f'\tName(F,L):{NAME}\n'
      f'\tU.S. Citizen?:{COUNTRY}\n'
      f'\tAge:{AGE}\n'
      f'\tState of Residence:{STATE}\n'
      f'\tZipcode:{CODE}')
print('#####')
print('Thank you for registering to vote!')
```

lab_one_voter_reg

```
"/Users/joelgoode/Desktop/SDEV 300/bin/Python" /Users/joelgoode/PycharmP
##### Welcome To Voter Registration Application! #####
Let's begin registration!
Enter Age: 23
Next question...
Would you like to continue voter registration? (yes or no)yes
Next question...
Are you a U.S. Citizen? (yes or no)wleuhf
There seems to be an error, invalid input, try again!
Are you a U.S. Citizen? (yes or no)
```

#9

```
print('#####')
print(f'\tName(F,L):{NAME}\n'
      f'\tU.S. Citizen?:{COUNTRY}\n'
      f'\tAge:{AGE}\n'
      f'\tState of Residence:{STATE}\n'
      f'\tZipcode:{CODE}')
print('#####')
print('Thank you for registering to vote!')
```

lab_one_voter_reg

```
"/Users/joelgoode/Desktop/SDEV 300/bin/Python" /Users/joelgoode/PycharmP
##### Welcome To Voter Registration Application! #####
Let's begin registration!
Enter Age: 18
Next question...
Would you like to continue voter registration? (yes or no)yes
Next question...
Are you a U.S. Citizen? (yes or no)yes
Would you like to continue voter registration? (yes or no)37&
There seems to be an error, invalid input, try again!
Would you like to continue voter registration? (yes or no)|
```

#10

```
print('#####')
print(f'\tName(F,L):{NAME}\n'
      f'\tU.S. Citizen?:{COUNTRY}\n'
      f'\tAge:{AGE}\n'
      f'\tState of Residence:{STATE}\n'
      f'\tZipcode:{CODE}')
print('#####')
print('Thank you for registering to vote!')
```

True

lab_one_voter_reg

Next question...

Would you like to continue voter registration? (yes or no)yes

Next question...

Are you a U.S. Citizen? (yes or no)yes

Would you like to continue voter registration? (yes or no)yes

Next question...

Enter First name: John

Enter Last name: Smith

Thank you,John

Would you like to continue voter registration? (yes or no)yes

Next question...

Enter the state in which you live? (ie:MD,PA,VA): weh

State must be in two letter format! (MD)

Enter the state in which you live? (ie:MD,PA,VA): |

#11

```
lab_one_voter_reg.py lab1.txt
118 CODE = get_zipcode()
119 break
120 # Display all entered data.
121 print('\n\tCongratulations, you have finished voter registration! You entered the following information:
122 print('#####')
123 print(f'\tName(F,L):{NAME}\n'
124       f'\tU.S. Citizen?:{COUNTRY}\n'
125       f'\tAge:{AGE}\n'
126       f'\tState of Residence:{STATE}\n'
127       f'\tZipcode:{CODE}')
128 print('#####')
129 print('Thank you for registering to vote!')
130
```

while True

Run: lab_one_voter_reg

Welcome to Voter Registration Application!

Let's begin registration!

Enter Age: 120

Next question...

Would you like to continue voter registration? (yes or no)yes

Next question...

Are you a U.S. Citizen? (yes or no)yes

Would you like to continue voter registration? (yes or no)yes

Next question...

Enter First name: toby

Enter Last name: mcguire

Thank you,Toby

Would you like to continue voter registration? (yes or no)yes

Next question...

Enter the state in which you live? (ie:MD,PA,VA): ca

Would you like to continue voter registration? (yes or no)yes

Next question...

Enter Zipcode: 211453

Invalid input, must be 5 digits! please try again! (ie: 21158)

Enter Zipcode: |

PYLINT Results: 9.42/10

The screenshot shows the PyCharm IDE interface. The top toolbar includes icons for running, debugging, and other IDE functions. The left sidebar displays the project structure for 'SDEV 300', with files like 'discussion_week_one.py', 'lab1.txt', 'lab_one_voter_reg.py', and 'main.py'. The main editor window shows the file 'lab1.txt' with the following content:

```
1 ***** Module lab_one_voter_reg
2 lab_one_voter_reg.py:32:8: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it (n
3 lab_one_voter_reg.py:33:12: R1722: Consider using sys.exit() (consider-using-sys-exit)
4 lab_one_voter_reg.py:49:12: R1722: Consider using sys.exit() (consider-using-sys-exit)
5 lab_one_voter_reg.py:99:8: R1705: Unnecessary "else" after "return", remove the "else" and de-indent the code inside it (n
6
7 -----
8 Your code has been rated at 9.42/10 (previous run: 9.42/10, +0.00)
9
10
```

The bottom terminal window shows the command used to run pylint:

```
Terminal: Local x + v
(SDEV 300) joelgoode@Joels-Air SDEV 300 % pylint lab_one_voter_reg.py > lab1.txt
(SDEV 300) joelgoode@Joels-Air SDEV 300 %
```