

CSE 160 Section 2 Problems

1. Write the output to the following program:

```
for i in [1, 2, 3]:
    for j in [1, 2, 3]:
        print(i + j)
```

2. Write the output to the following program:

```
sum = 0
for i in [1, 2, 3]:
    for j in [1, 2, 3]:
        sum = sum + i
print(sum)
```

3. Fill in the necessary code to count the number of times the letter "l" appears in all of the list words.

```
words = ["hello", "world", "python", "yellow"]
l_count = 0
```

```
print(l_count)
```

The output should be 5

4. Write code to print the number of people over 20 years old in the list ages.

```
ages = [20, 21, 20, 22, 19, 18, 14, 35]
```

5. Write code that calculates and prints out the number of people 30 years old and above, the number of people 20-29 years old, and the number of people under 20 years old in the list ages.

```
ages = [20, 21, 20, 22, 19, 18, 14, 35]
```

CSE 160 Section 2 Solutions

1. The output appears below:

```
2
3
4
3
4
5
4
5
6
```

2. The output appears below:

```
18
```

3.

```
words = ["hello", "world", "python", "yellow"]
l_count = 0
for word in words:
    for letter in word:
        if letter == 'l':
            l_count = l_count + 1
print(l_count)
```

4.

```
total = 0
for age in ages:
    if age > 20:
        total = total + 1
print(total)
```

5.

```
thirties = 0
twenties = 0
under_twenty = 0
for age in ages:
    if age >= 30:
        thirties = thirties + 1
    elif age >= 20:
        twenties = twenties + 1
    else:
        under_twenty = under_twenty + 1
print(thirties)
print(twenties)
print(under_twenty)
```

Name (first and last):

Email:

a) What is the topic from this course that you feel the most confused about right now?

b) What is one thing you would change about LECTURE?

c) Have you used CodeStepByStep? Did you find it useful? What tools have you been using to help with Python?

Name (first and last):

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