

Using Methods

1.

- a. 'HELLO'
- b. 'happy birthday!'
- c. 'wEEEEEEEEEEEEEEE'
- d. True
- e. 1
- f. True
- g. False
- h. 'Hello Python'
- i. 'Hello Python! Hello World!'

2. 'tomato'.count('o')

3. 'tomato'.find('o')

4. 'tomato'.find('o', 'tomato'.find('o') + 1)

5. 'avocado'.find('o', 'avocado'.find('o') + 1)

6. 'runner'.replace('n', 'b')

7. strip

8. a. fruit.count('p') then fruit.find('p', 3)

b. fruit.upper() then 'PINEAPPLE'.swapcase() then fruit.count('pineapple')

c. fruit.swapcase() then fruit.lower() then fruit.replace('PINEAPPLE', 'pineapple')

9. 'I love {0}!'.format(season)

10. 'The sides have lengths {0}, {1}, and {2}'.format(side1, side2, side3)

11.

- a. 'boolean'.capitalize()
- b. 'CO2 H2O'.find('2')
- c. 'CO2 H2O'.find('2', 'CO2 H2O'.find('2') + 1)
- d. 'Boolean'[0].islower()
- e. "MoNDaY".lower().capitalize()
- f. " Monday".lstrip()

12.

```
def total_occurrences(s1, s2, ch):
    """ (str, str, str) -> int

    Precondition: len(ch) == 1

    Return the total number of times that ch occurs in s1 and s2.

    >>> total_occurrences('color', 'yellow', 'l')
    3
    >>> total_occurrences('red', 'blue', 'l')
    1
    >>> total_occurrences('green', 'purple', 'b')
    0
    """
    return s1.count(ch) + s2.count(ch)
```