## Lab 2 Report

**Note** To answer the questions, change the font color of your responses to each of the questions below to red.

1. If a dictionary is stored in bagel, what is the difference between the expressions? Explain with your own words.

'cat' in bagel and 'cat' in bagel.keys()

Answer: The first option will look at the key:value pair. It will only match on the key, not the value. The later option is searching only keys.

1. If a dictionary is stored in bagel, what is the difference between the expressions? Explain with your own words.

'cat' in bagel and 'cat' in bagel.values()

Answer: The first option will look at the key:value pair. It will only match on the key, not the value. The later option is searching only values.

1. What is a shortcut for the following code?

if 'color' not in bagel:

... bagel['color'] = 'black'

Answer: bagel.setdefault(‘color’, ‘black’)

1. What do the following expressions evaluate to? Explain with your own words.
   1. 'On October 3rd, he asked me what day it was.'.split()
   2. '-'.join("That's why her hair is so big. It's full of secrets.".split('i'))

Answer:

* + 1. First line will separate the string into a list of strings with no whitespaces. The spaces in the original string will denote where to separate values.
    2. Second line will separate the string into a list of strings with ‘i’ separating the values. Then, it will join the list of strings together into 1 string using ‘-’. The final string produced is the original string with all the ‘i’ being replaced by ‘-’

1. What is the function that creates *Regex* objects?

Answer: re.compile()

1. What does the *Regex* object’s search() method return?

Answer: Match object