Syntactic Sugar Quiz

CSCI040: Computing for the Web Introduction to Hacking

Total Score: /10

Printed Name:

Collaboration Policy:

- 1. You MAY use any printed or handwritten notes.
- 2. You MAY NOT use a computer or any other electronic device.
- 3. You MAY NOT discuss this quiz with another human being who has not completed the quiz. This includes:
 - (a) collaborating during the quiz, and
 - (b) telling a student in a different section the quiz was easy/hard.

Problem 1. What is the output of the following code:

```
names = ['alice', 'bob', 'charlie', 'dave', 'eve']
accumulator = []
for i,name in enumerate(names):
    text = 'number_' + str(i) + '_is_' + name
    accumulator.append(text)
print('accumulator[-1]=', accumulator[-1])
```

Problem 2. What is the output of the following code:

```
x = 0 if 1 else 2 print('x=', x)
```

Problem 3. What is the output of the following code:

```
sentence = "This_is_an_example_sentence_with_a_few_words_in_it."
tokens = [ token.lower() for token in sentence.split() if 't' in token ]
print('len(tokens)=', len(tokens))
```

Problem 4. What is the output of the following code:

Problem 5. What is the output of the following code:

```
tweets = [
    { "source": "Twitter_Web_Client"
     "text": "From_Donald_Trump:_Wishing_everyone_a_wonderful_holiday_&_a_
       happy, _healthy, _prosperous_New_Year._Let\u2019s_think_like_champions_
       in _2010!"
      "retweet_count": 28
      "source": "Twitter_Web_Client"
      "text": "Trump_International_Tower_in_Chicago_ranked_6th_tallest_
       building _in _world_by_Council_on_Tall_Buildings_&_Urban_Habitat_http://
       bit.ly/sqvQq"
      "retweet_count": 33
      "source": "Twitter_Web_Client"
     "text": "Wishing_you_and_yours_a_very_Happy_and_Bountiful_Thanksgiving!"
      "retweet_count": 13
     "source": "Twitter_for_iPhone"
      "text": "RT_@realDonaldTrump:_Happy_Birthday_@DonaldJTrumpJr!\nhttps://t
       . co/uRxvCD3hBz"
      "retweet_count": 9529
      "source": "Twitter_for_iPhone"
      "text": "Happy_Birthday_@DonaldJTrumpJr!\nhttps://t.co/uRxyCD3hBz"
      "retweet_count": 9529
      "source": "Twitter_for_Android"
      "text": "Happy_New_Year_to_all,_including_to_my_many_enemies_and_those_
       who_have_fought_me_and_lost_so_badly_they_just_don't_know_what_to_do._
       Love!"
      "retweet_count": 141853
     "source": "Twitter_for_Android"
     "text": "Russians_are_playing_@CNN_and_@NBCNews_for_such_fools_-_funny_
       to_watch,_they_don't_have_a_clue!_@FoxNews_totally_gets_it!"
      "retweet_count": 23213
      "source": "Twitter_for_iPhone"
      "text": "Join_@AmerIcan32,_founded_by_Hall_of_Fame_legend_@JimBrownNFL32
       _on_1/19/2017_in_Washington, _D.C.\u2026_https://t.co/9WJZ8iTCQV"
      "retweet_count": 7366
    }]
tweets = [tweet for tweet in tweets if 'iphone' in tweet['source'].lower()]
print('len(tweets)=', len(tweets))
```