Pop Quiz 4
October 25, 2018

Name: ____________________________

1. (1 pt) Which of these is not a data structure?
   (a) String (this is a data type, not a data structure)
   (b) List
   (c) Dictionary
   (d) Set

2. (2 pts) Let’s say we created a dictionary named `student_to_num_courses` which currently stores how many classes each Brown student is enrolled in. Specifically, our keys are the students’ names (they are Strings, e.g., “Jane Doe”), and the value for each key is an Integer value representing the number of courses the student is enrolled in (e.g., 4).

Write Python code which checks if your name exists in the dictionary’s keys, and if it does, print the number of courses you are taking (HINT: this can be done in 2 lines of code).

```python
for "Chris Tanner" in student_to_num_courses.keys():
    print(stu...["Chris Tanner"])
```

3. (1 pt) Here is a small Python program:

```python
def mystery_function(y):
    y = y + 1
    return y

def main():
    x = 0
    x = mystery_function(x)
    print(x)

if __name__ == "__main__":
    main()
```

If we were to run it, what would it literally print to the screen?

(a) 0
(b) 1
(c) NameError: name ‘y’ is not defined
(d) x