Dictionaries

1. Consider the following dictionary:

What will be printed for the following expressions? If an expression generates an error write "error".

Expression	Value
color_code['red']	
color_code['black']	
color_code['#00FF00']	
color_code[2]	

2. Consider the following dictionary:

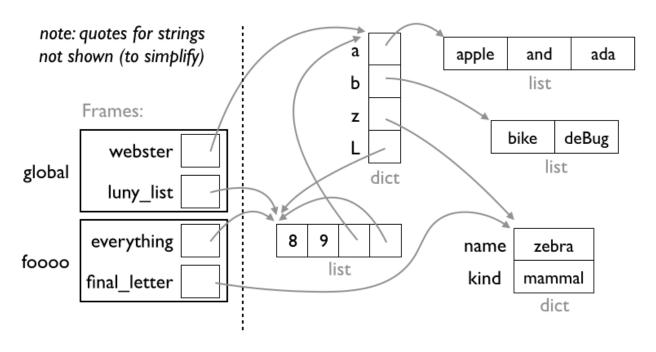
What is the **type** (int, float, bool, str, list, dict) of the following expressions?

Expression	Туре	Expression	Туре
person		person['isAlive']	
person['name']		person['phone']	
person['age']		person['address']	

3. For this wacky code, what is printed if we replace ???? in each case (use diagram)?

```
webster = {
    "a": ["apple", "and", "ada"],
    "b": ["bike", "deBug"],
    "z": {"name": "zebra", "kind": "mammal"}
}
luny_list = [8, 9, webster]
luny_list.append(luny_list) # what?????
webster["L"] = luny_list

def foooo(everything):
    final_letter = everything[2]["z"]
    print(????)
```



????	result	????	result
luny_list[l]		luny_list[3][1]	
webster["a"][-1]		everything[3][3][3][2]["z"]["kind"]	
webster["z"]["name"]		final_letter["name"][-1]	
webster["L"][I]		luny_list[3][-1][3][-1][3][-1][0]	
luny_list[2]["b"][1]		webster["L"][2]["L"][2]["L"][2]["L"][1]	

4. What is the output of the following code snippet?

5. What is the output of the following code snippet?

```
word = "Happiness"
d = dict()
for letter in word:
    if letter in d:
        d[letter] += 1
    else:
        d[letter] = 1
print(d)
```

6. Consider the following dictionary:

```
d = {}
d[0] = 'zero'
d[1] = 'one'
d[2] = 'two'
```

What will be printed for the following expressions? If an expression generates an error write "error".

Expression	Value
1 in d	
'2' in d	
2 not in d	
'zero' in d	