## **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	Type
person		<pre>person['isAlive']</pre>	
<pre>person['name']</pre>		person['phone']	
person['age']		person['address']	

3. For this code, what is printed if we replace ???? with the corresponding expression?

????	result	????	result
airbnb[1]		len(airbnb[2]["reviews"])	
airbnb[-1][ "name"]		airbnb[4]["reviews"][-1][0] + "s"	
airbnb["name"]		airbnb[-6]["reviews"]	
airbnb[1]["date"][2]		airbnb[2]["reviews"].index(airbnb[1] ["reviews"][2])	
airbnb[2]["date"][6:]		airbnb[1]["reviews"][:1] + airbnb[2]["reviews"][1:]	

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

```
result = []
for x in airbnb[1]:
    result.append(x)
result
```

## 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	