

1. What does an empty dictionary's code look like?

```
{}
```

2. What is the value of a dictionary value with the key 'foo' and the value 42?

```
{'foo' : 42}
```

3. What is the most significant distinction between a dictionary and a list?

List contains ordered set of data and dictionary contains un ordered set of data.

4. What happens if you try to access spam['foo'] if spam is {'bar': 100}?

We didn't find the key foo in spam we will get **key error**

5. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.keys()?

There is no difference. The in operator checks whether a value exists as a key in the dictionary

6. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in spam and 'cat' in spam.values()?

'cat' in spam checks, Is a 'cat' key in the dictionary, while 'cat' in spam.values() checks, Is a value 'cat' for one of the keys in spam.

7. What is a shortcut for the following code?

```
if 'color' not in spam:
```

```
    spam['color'] = 'black'
```

It will create new key-value pair in dictionary

8. How do you "pretty print" dictionary values using which module and function?

Module is pprint and function is pprint()

```
pprint.pprint()
```