Answer's / Explanation's

1. Empty dictionary looks like this {}.
2. 42
3. List is an ordered collection whereas dictionary is an unordered collection of objects.
4. It raises a key error.
5. There is no difference, both will give the same result.
6. Here, the statement 'cat' in spam will only check whether 'cat' is in spam.keys() or not. But 'cat' in spam.values() will check whether 'cat' is in values of dictionary.
7. spam['color'] = 'black'
8. To pretty print a dictionary, we can use 'pprint' module using function 'pprint' built inside 'pprint' module.