1. **Empty Dictionary Code:**
   * An empty dictionary is represented as **{}**.
2. **Dictionary with Key 'foo' and Value 42:**
   * **{'foo': 42}**.
3. **Significant Distinction Between Dictionary and List:**
   * Lists are ordered and accessed by index; dictionaries are unordered and accessed by keys.
4. **Accessing 'foo' in {'bar': 100}:**
   * It raises a **KeyError** because 'foo' is not a key in the dictionary.
5. **Difference Between 'cat' in spam and 'cat' in spam.keys():**
   * Both check if 'cat' is a key in **spam**. No practical difference; the latter is redundant.
6. **Difference Between 'cat' in spam and 'cat' in spam.values():**
   * **'cat' in spam** checks for the presence of 'cat' as a key, while **'cat' in spam.values()** checks for the presence of 'cat' as a value.
7. **Shortcut for Adding Key 'color' if Not Present:**
   * **spam.setdefault('color', 'black')**.
8. **Pretty Printing Dictionary Values:**
   * Use the **pprint** (pretty print) function from the **pprint** module:

from pprint import pprint my\_dict = {'key1': 'value1', 'key2': 'value2'} pprint(my\_dict)