1) To create an empty dictionary, the dictionary should be set to {}.

This is shown in the code below.

Item={}

So, with this code above, we create a dictionary called items which is set equal to {}. So this dictionary named items is empty.

Another way of creating an empty dictionary is by setting the dictionary equal to dict().

This is shown in the code below.

Item=dic()

2) {'foo': 42}

3) The items stored in a dictionary are unordered, while the items in a list are ordered.

4) You get a KeyError error.

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

6) ‘cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam.values() checks whether there is a value 'cat' for one of the keys in spam.

7) spam.setdefault('color', 'black')

8) pprint.pprint()

9)