1. There are two ways to code empty dictionary

dict = {} and dict().

1. 42
2. List is the collection index value pair while dictionary is a hashed structure of key value pair.
3. Key error : foo.
4. No difference.
5. ‘cat’ in spam.values gives False as an output because its an key value.
6. spam.setdefault(‘color’,’black’).
7. Import pprint

message='Pretty printing'

count={}

for character in message:

count.setdefault(character,0)

count[character]=count[character]+1

pprint.pprint(count)