1. Ans. Empty code of dictionary looks like {}
2. Ans. {‘foo’:42}
3. Ans. List is used to store the data, which should be ordered and sequential, whereas dictionary is used to store large amount of data for easy and quick access.
4. Ans. The items in a dictionary are un-ordered and in a list is ordered, hence trying to access a key which is not assigned in dictionary will give you a key error.
5. Ans. There is no difference. The in operator checks whether a value exists as a key in the dictionary.
6. Ans. 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. Ans. spam.setdefault('color', 'black')
8. Ans. pprint.pprint()