Q1

Dict ={}

Q2

42

Q3

Lists are orders, mutable, and can contain duplicate values. Dictionaries are unordered and mutable but they cannot contain duplicate keys

Q4

This will raise a NameError

Q5

In most cases, there's no practical difference between the two expressions, and you can use either of them to check for the existence of a key in a dictionary.

Q6

Cat in spam will check if the key cat is present in dictionary or not , it will return output as True or False

While cat in spam.values() will check whether there is value named cat in the dictionary or not

Q7

spam.setdefault(color, "black")

Q8

we can use the pprint module and pprint() function