Assignment – 5

1. What does an empty dictionary&#39;s code look like?

Ans:

dict = {}

type(dict)

2. What is the value of a dictionary value with the key &#39;foo&#39; and the value 42?

Ans:

{'foo':42}

3. What is the most significant distinction between a dictionary and a list?

Ans: A list is an ordered collection of items, whereas a dictionary is an unordered data collection in a key: value pair. Elements from the list can be accessed using the index, while the elements of the dictionary can be accessed using keys

4. What happens if you try to access spam[&#39;foo&#39;] if spam is {&#39;bar&#39;: 100}?

Ans: What happens if you try to access spam['foo'] if spam is {'bar': 100}? You will get a KeyError error.

spam = {'bar':100}

spam['foo']

*#This will give us key error*

5. If a dictionary is stored in spam, what is the difference between the expressions &#39;cat&#39; in spam and

&#39;cat&#39; in spam.keys()?

Ans:

spam ={'cat':100}

'cat' in spam

6. If a dictionary is stored in spam, what is the difference between the expressions &#39;cat&#39; in spam and

&#39;cat&#39; in spam.values()?

Ans:

spam ={'cat':100}

'cat' in spam

7. What is a shortcut for the following code?

if &#39;color&#39; not in spam:

spam[&#39;color&#39;] = &#39;black&#39;

Ans: spam ={'cat':100}

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

spam

{'cat': 100, 'color': 'black'}

8. How do you &quot;pretty print&quot; dictionary values using which module and function?

Ans:

import pprint

dct = [ {'Name': 'Shiva', 'Age': '23', 'Country': 'India'},

{'Name': 'Anna', 'Age': '44', 'Country': 'China'},

{'Name': 'Joe', 'Age': '29', 'Country': 'UK'},

{'Name': 'Chumlee', 'Age': '35', 'Country': 'USA'}

]