

## Assignment-5

1. What does an empty dictionary code look like?  
**A={} or dict()**
2. What is the value of a dictionary value with the key 'foo' and the value 42?  
**42**
3. What is the most significant distinction between a dictionary and a list?  
**Dictionary exist in key values pair always inside {} beackets**  
**Ex: a={'name':'sagar','b':2}**  
  
**List is a normal data set exist in {} brackets.**  
**Ex: a={1,2,3,'sagar',6.5}**
4. What happens if you try to access spam['foo'] if spam is {'bar': 100}?  
**Key error or key doesn't exist**
5. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in Spam and 'cat' in spam.keys()?

**cat in spam displays value of key 'cat' and 'cat' in spam.keys() displays key in a dictionary spam**

**Ex : spam={'cat':10}**

**spam['cat']---→10**

**spam.keys()-→ dict\_keys(['cat'])**

6. If a dictionary is stored in spam, what is the difference between the expressions 'cat' in Spam and 'cat' in spam.values()?   
**cat in spam displays value of key 'cat' and 'cat' in spam.values() displays value of a key in a dictionary spam**

**Ex : spam={'cat':10}**

**spam['cat']---→10**

**spam.values()-→ dict\_values([10])**

7. What is a shortcut for the following code?

```
if 'color' not in spam:  
    spam['color']='black'
```

```
spam={}
```

```
spam.update({'color': 'black'})
```

```
spam
```

```
{'color': 'black'}
```

```
[24] spam['color']
```

```
'black'
```

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

```
spam
```

```
{'color': 'black'}
```

```
spam['color']
```

```
'black'
```

```
import pprint
```

```
pprint.pprint(spam)
```

```
{'color': 'black'}
```