In [ ]:
```
                        Assignment  No: 5
```

In [1]:
```
1.What does an empty dictionary's code look like?
Answer :-
dict = {}
type(dict)
```

Out[1]: dict

In [2]:
```
2. What is the value of a dictionary value with the key 'foo' and the value 42?
Answer :-

{'foo' : 42}
```

Out[2]: {'foo': 42}

In [ ]:
```
3. What is the most significant distinction between a dictionary and a list?
Answer :-
    Most significant difference:
    List - items in list are Ordered
    Dictionary : iten in dictionary are unordered
```

1. What happens if you try to access spam['foo'] if spam is {'bar': 100}? Answer :-

spam = {'bar' : 100} spam['foo']

this will give key error

In [3]:
```
5. If a dictionary is stored in spam, what is the difference between the expression
Answer :-

spam = {'cat' : 100}
"cat" in spam
```

Out[3]: True

In [4]:
```
"cat" in spam.keys()
#There is no differnce, both check if 'cat' is key of the dictionary and if its a k
```

Out[4]: True

In [5]:
```
6. If a dictionary is stored in spam, what is the difference between the expression
Answer :-

spam = {"cat" : 100}
"cat" in spam
```

Out[5]: True

In [6]:
```python
spam ={'cat':100}
'cat' in spam.values()
#'cat' in spam checks whether there is a 'cat' key in the dictionary
#'cat' in spam.values() checks whether there is a value 'cat' for one of the keys i
```

Out[6]: False

In [7]:
```python
7. What is a shortcut for the following code?
if 'color' not in spam:
spam['color'] = 'black'
Answer :-

spam ={'cat':100}
spam.setdefault('color','black')
spam
```

Out[7]: {'cat': 100, 'color': 'black'}

In [8]:
```python
8. How do you "pretty print" dictionary values using which module and function?
Answer :-

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'}
]
```

In [9]:
```python
# printing with pprint()
pprint.pprint(dct)
```

```
[{'Age': '23', 'Country': 'India', 'Name': 'Shiva'},
 {'Age': '44', 'Country': 'China', 'Name': 'Anna'},
 {'Age': '29', 'Country': 'UK', 'Name': 'Joe'},
 {'Age': '35', 'Country': 'USA', 'Name': 'Chumlee'}]
```

In [10]:
```python
#printing with print()
print(dct)
```

```
[{'Name': 'Shiva', 'Age': '23', 'Country': 'India'}, {'Name': 'Anna', 'Age': '44',
'Country': 'China'}, {'Name': 'Joe', 'Age': '29', 'Country': 'UK'}, {'Name': 'Chuml
ee', 'Age': '35', 'Country': 'USA'}]
```

In [ ]:

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