***ASSIGNEMENT-5***

1. empty\_dict = {}
2. my\_dict = {'foo': 42}  
   value\_of\_foo = my\_dict['foo']

print(value\_of\_foo) # Output: 42

1. Data storage  
   mutable and immutable
2. spam = {'bar': 100}

value = spam['foo’] # This line will raise a Key Error

print(value)  
  
there will be a key error.

3. The shortcut for the given code is to use the ‘dict.setdefault() ‘method. The ‘setdefault() ‘method is a convenient way to insert a key-value pair into a dictionary only if the key does not already exist in the dictionary.
4. import pprint

my\_dict = {

'name': 'John Doe',

'age': 30,

'city': 'New York',

'email': 'john@example.com'

pprint.pprint(my\_dict)  
 output will be :

{'age': 30,

'city': 'New York',

'email': 'john@example.com',

'name': 'John Doe'}