

Utility Functions

Functions/Classes that provide general services.

```
In [1]: 1 def print_dict(dict_val, heading=None, num_tabs=0):
2         ''' Recursively prints the structure of a dictionary. '''
3         if heading != None: print("__"+heading+"__")
4         if type(dict_val) == dict:
5             for key, value in dict_val.items():
6                 if type(value) != dict:
7                     print("{}{}: {}".format('\t' * num_tabs, key, value))
8                 else:
9                     print("{}{}: ".format('\t' * num_tabs, key))
10                    print_dict(value, None, num_tabs + 1)
```

```
In [ ]: 1 def print_list(arr, heading):
2         ''' Prints an array element per line after the heading. '''
3         print("__"+heading+"__")
4         for item in arr: print(item)
```

```
In [1]: 1 class TextStyle:
2         """ Class with text styles to add to strings."""
3         def BOLD(self): return "\033[1m{text}\033[0m".format(text=self)
4         def RED(self): return "\033[31m{text}\033[0m".format(text=self)
5         def GREEN(self): return "\033[32m{text}\033[0m".format(text=self)
6         def YELLOW(self): return "\033[33m{text}\033[0m".format(text=self)
7         def BLUE(self): return "\033[34m{text}\033[0m".format(text=self)
8         def PURPLE(self): return "\033[35m{text}\033[0m".format(text=self)
9         def CYAN(self): return "\033[36m{text}\033[0m".format(text=self)
10        def WHITE(self): return "\033[37m{text}\033[0m".format(text=self)
```