

HW7 독어교육과 2014-19498

정은주

Problem 1

```
In [64]: #Problem
```

```
In [81]: import queue
stack = queue.LifoQueue()
fp = open('sample.txt', 'r')
```

```
In [82]: for line in fp:
          stack.put(line)
          print(line)

what is love?
what is family?
why should i live in Korea?
```

```
In [83]: while(stack.empty() == False):
          print(stack.get())
```

```
why should i live in Korea?
what is family?
what is love?
```

Problem 2

```
In [9]: #Problem2
```

```
In [14]: area_code = {'Seoul':2, 'Busan':5, 'Daejeon':4, 'Ulsan': 5}
```

```
In [17]: def sum_code(list):
          sum = 0;
          for k in list.values():
              sum += k
          return sum
```

```
In [18]: sum_code(area_code)
```

```
Out[18]: 16
```

Problem3

```
In [19]: #Problem3
```

```
In [20]: area = ['Seoul', 'Busan', 'Ulsan', 'Daegu', 'Seoul', 'Busan']
```

```
In [21]: num = [1,2,2,3,1,2,3,4,5]
```

```
In [40]: def frequency(list):  
    freq = {}  
    for k in list:  
        freq[k] = 0  
    for k in list:  
        freq[k] += 1  
    return freq
```

```
In [41]: frequency(area)
```

```
Out[41]: {'Seoul': 2, 'Busan': 2, 'Ulsan': 1, 'Daegu': 1}
```

Problem 4

```
In [42]: #Problem4
```

```
In [45]: common_key = [{'a':1, 'b':2}, {'b':5, 'c':7}, {'a':2, 'd':10}]
```

```
In [48]: def combine_dic(list):  
    combined = {}  
    for k in list:  
        dic_key = k.keys()  
        for L in dic_key:  
            combined[L] = 0  
    for k in list:  
        dic_key = k.keys()  
        for L in dic_key:  
            combined[L] += k[L]  
    return combined
```

```
In [50]: combine_dic(common_key)
```

```
Out[50]: {'a': 3, 'b': 7, 'c': 7, 'd': 10}
```
