1. years\_list = [ele for ele in range(1997,1997+6)]

print(years\_list)

[1997, 1998, 1999, 2000, 2001, 2002]

1. print(years\_list[3])

2000

1. print(years\_list[-1])

2002

1. things = [ele+'ella' for ele in ['mozzar','cinder','salmon']]

print(things)

['mozzarella', 'cinderella', 'salmonella']

1. for ele in range(len(things)):

if things[ele] == 'cinderella':

things[ele] = things[ele].capitalize()

print(things)

['mozzarella', 'Cinderella', 'salmonella']

1. suprise\_list = ['Groucho','Chico','Harpo']

print(suprise\_list)

['Groucho', 'Chico', 'Harpo']

1. print(suprise\_list[-1].lower()[::-1].capitalize())

Oprah

1. e2f = {'dog':'chien','cat':'chat','walrus':'morse'}

print(e2f)

{'dog': 'chien', 'cat': 'chat', 'walrus': 'morse'}

1. print(e2f.get('walrus'))

morse

1. f2e = dict([ele[::-1] for ele in e2f.items()])

print(f2e)

{'chien': 'dog', 'chat': 'cat', 'morse': 'walrus'}

1. print(f2e.get('chien'))

dog

1. print(list(e2f.keys()))

['dog', 'cat', 'walrus']

1. life = {

'animals':{

'cats':['Henri','Grumpy','Lucy'],

'octopi':{},

'emus':{}

},

'plants':{},

'other':{}

}

print(life)

{'animals': {'cats': ['Henri', 'Grumpy', 'Lucy'], 'octopi': {}, 'emus': {}}, 'plants': {}, 'other': {}}

1. print(list(life.keys()))

['animals', 'plants', 'other']

1. print(list(life['animals'].keys()))

['cats', 'octopi', 'emus']

1. print(life['animals']['cats'])

['Henri', 'Grumpy', 'Lucy']