**1. Create a list called years\_list, starting with the year of your birth, and each year thereafter until the year of your fifth birthday.**

years\_list = [1980, 1981, 1982, 1983, 1984, 1985] # Example for someone born in 1980

**2. In which year in years\_list was your third birthday? Remember, you were 0 years of age for your first year.**

third\_birthday\_year = years\_list[3]

print(third\_birthday\_year) # Output: 1983 (for the example list)

**3. In the years\_list, which year were you the oldest?**

oldest\_year = years\_list[-1]

print(oldest\_year) # Output: 1985 (for the example list)

**4. Make a list called things with these three strings as elements: "mozzarella", "cinderella", "salmonella".**

things = ["mozzarella", "cinderella", "salmonella"]

**5. Capitalize the element in things that refers to a person and then print the list. Did it change the element in the list?**

things[1] = things[1].capitalize()

print(things) # Output: ['mozzarella', 'Cinderella', 'salmonella']

Yes, the element in the list was changed.

**6. Make a surprise list with the elements "Groucho,", "Chico,", and "Harpo.".**

surprise = ["Groucho", "Chico", "Harpo"]

**7. Lowercase the last element of the surprise list, reverse it, and then capitalize it.**

last\_element = surprise[-1].lower()[::-1].capitalize()

print(last\_element) # Output: Oprah

**8. Make an English-to-French dictionary called e2f and print it. Here are your starter words: dog is chien, cat is chat, and walrus is morse.**

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

print(e2f)

**9. Write the French word for walrus in your three-word dictionary e2f.**

french\_word = e2f['walrus']

print(french\_word) # Output: morse

**10. Make a French-to-English dictionary called f2e from e2f. Use the items method.**

f2e = {french: english for english, french in e2f.items()}

print(f2e)

**11. Print the English version of the French word chien using f2e.**

english\_word = f2e['chien']

print(english\_word) # Output: dog

**12. Make and print a set of English words from the keys in e2f.**

english\_words = set(e2f.keys())

print(english\_words) # Output: {'dog', 'cat', 'walrus'}

**13. Make a multilevel dictionary called life. Use these strings for the topmost keys: 'animals', 'plants', and 'other'. Make the 'animals' key refer to another dictionary with the keys 'cats', 'octopi', and 'emus'. Make the 'cats' key refer to a list of strings with the values 'Henri', 'Grumpy', and 'Lucy'. Make all the other keys refer to empty dictionaries.**

life = {

'animals': {

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

'octopi': {},

'emus': {}

},

'plants': {},

'other': {}

}

**14. Print the top-level keys of life.**

print(life.keys()) # Output: dict\_keys(['animals', 'plants', 'other'])

**15. Print the keys for life['animals'].**

print(life['animals'].keys()) # Output: dict\_keys(['cats', 'octopi', 'emus'])

**16. Print the values for life['animals']['cats'].**

print(life['animals']['cats']) # Output: ['Henri', 'Grumpy', 'Lucy']