**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. For example, if you were born in 1980. the list would be years\_list =**

**[1980, 1981, 1982, 1983, 1984, 1985].**

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

**first year.**

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

**4. Make a list called things with these three strings as elements: &quot;mozzarella&quot;, &quot;cinderella&quot;,**

**&quot;salmonella&quot;.**

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

**element in the list?**

**6. Make a surprise list with the elements &quot;Groucho,&quot; &quot;Chico,&quot; and &quot;Harpo.&quot;**

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

**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.**

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

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

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

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

**13. Make a multilevel dictionary called life. Use these strings for the topmost keys: &#39;animals&#39;, &#39;plants&#39;,**

**and &#39;other&#39;. Make the &#39;animals&#39; key refer to another dictionary with the keys &#39;cats&#39;, &#39;octopi&#39;, and**

**&#39;emus&#39;. Make the &#39;cats&#39; key refer to a list of strings with the values &#39;Henri&#39;, &#39;Grumpy&#39;, and &#39;Lucy&#39;.**

**Make all the other keys refer to empty dictionaries.**

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

**15. Print the keys for life[&#39;animals&#39;].**

**16. Print the values for life[&#39;animals&#39;][&#39;cats&#39;]**

***SOLUTIONS***

*Here is the solution to the questions:*

1. *years\_list = [birth\_year, birth\_year+1, birth\_year+2, birth\_year+3, birth\_year+4, birth\_year+5] (assuming birth\_year is the year of birth)*
2. *The year in which you had your third birthday would be birth\_year + 3.*
3. *You would be the oldest in the year birth\_year + 5.*
4. *things = ["mozzarella", "cinderella", "salmonella"]*
5. *things = ["mozzarella", "Cinderella", "salmonella"] print(things)*
6. *surprise = ["Groucho", "Chico", "Harpo"]*
7. *surprise[-1] = surprise[-1].lower() surprise[-1] = surprise[-1][::-1] surprise[-1] = surprise[-1].capitalize()*
8. *e2f = {"dog": "chien", "cat": "chat", "walrus": "morse"} print(e2f)*
9. *"morse"*
10. *f2e = dict(list(e2f.items()))*
11. *print(f2e["chien"])*
12. *eng\_words = set(e2f.keys()) print(eng\_words)*
13. *life = { "animals": { "cats": ["Henri", "Grumpy", "Lucy"], "octopi": {}, "emus": {} }, "plants": {}, "other": {} }*
14. *print(life.keys())*
15. *print(life["animals"].keys())*
16. *print(life["animals"]["cats"])*