```
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].
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?

    Make a list called things with these three strings as elements: "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?
6. Make a surprise list with the elements "Groucho," "Chico," and "Harpo."
7. Lowercase the last element of the surprise list, reverse it, and then capitalize
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.
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: '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.
14. Print the top-level keys of life.
15. Print the keys for life['animals'].
16. Print the values for life['animals']['cats'].
1- years_list= [2000, 2001, 2002, 2003, 2004, 2005]
2- years_list[2]
3- year_list[-1]
4- things=['mozzarella','cinderella','salmonella']
# using forloop
result = []
for name in base_names:
    if name == 'salmonella':
        continue
    elif name == 'cinderella':
        name = name.capitalize()
    elif name == 'mozzarella':
        name = name.upper()
    result.append(name)
```

print(result)

```
from functools import reduce # for python3
def reduce_fuc(acc, name):
    if name == 'salmonella':
        return acc
    elif name == 'cinderella':
        name = name.capitalize()
    elif name == 'mozzarella':
        name = name.upper()
    acc.append(name)
    return acc
names = reduce(reduce_fuc, base_names, [])
print(names)
6. surprise_list = ["Groucho", "Chico", "Harpo"]
8. e2f = {'dog': 'chien', 'cat': 'chat', 'walrus': 'morse'}
f2e = {}
for english, french in e2f.items():
    f2e[french] = english
13. life = {
    'animals': {
        'cats': ['Henri', 'Grumpy', 'Lucy'],
'octopi': '',
'emus': '',
        },
    'plants': '',
'other': ''
    }
or k, v in life.items():
    for k1, v1 in v.items():
        print(k1)
for k, v in life.items():
    for k1, v1 in v.items():
    if 'animals':
             print(k1)
14. But for key 2 it only returns the top key and not the nested key. >>>
print(entry[2].keys()) dict_keys(['N']).
```