Lists, Strings, Dictionaries, and Nested Structures

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1. Year List Creation

Create a list `years_list` that includes the year of your birth and the next five years (total 6 years).

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2. Third Birthday Year

Print the year in `years_list` when you were 3 years old.
💡 *Hint: Remember, your 0th year is the first item.*

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3. Oldest Year

Which year in `years_list` represents the most recent (your oldest age)?

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4. List of Things

Create a list called `things` with the following items:

```
["mozzarella", "cinderella", "salmonella"]
```

---

5. Capitalization Check

Capitalize the item that refers to a person in the `things` list.
Print the list. Did the original list change?

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6. Surprise List

Create a list called `surprise_list` with these values:

```
["Groucho", "Chico", "Harpo"]
```

---

7. String Transformation

Take the last item in `surprise_list`:

- Lowercase it
- Reverse it
- Capitalize the result
  Then print it.

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8. English-to-French Dictionary

Create a dictionary `e2f` that maps these:

- dog → chien
- cat → chat
- walrus → morse

Print the dictionary.

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9. Translate 'walrus' to French

Use `e2f` to print the French word for “walrus.”

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10. Reverse Dictionary

Create a reverse dictionary `f2e` from `e2f` using the `.items()` method.
Print `f2e`.

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11. Translate 'chien' to English

Use `f2e` to print the English word for “chien.”

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12. Get All English Words

Print the set of all English words (the keys from `e2f`).

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13. Create a Nested Dictionary (`life`)

Create a dictionary `life` structured like this:

```
{
```

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

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14. Top-Level Keys

Print the top-level keys of `life`.

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15. Animal Categories

Print the keys inside `life['animals']`.

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16. List of Cat Names

Print the list of cat names stored in `life['animals']['cats']`.
