In [1]:
```
# Creating a list
my_list = [10, 20, 30, 40, 50]

# Accessing elements
first_element = my_list[0]  # Accessing the first element
last_element = my_list[-1]  # Accessing the last element
subset = my_list[1:4]  # Accessing elements from index 1 to 3

# Output
print("List:", my_list)
print("First Element:", first_element)
print("Last Element:", last_element)
print("Subset (index 1 to 3):", subset)
```

```
List: [10, 20, 30, 40, 50]
First Element: 10
Last Element: 50
Subset (index 1 to 3): [20, 30, 40]
```

In [2]:
```
# Creating a tuple
my_tuple = ("apple", "banana", "cherry", "date", "elderberry")

# Accessing elements
second_element = my_tuple[1]  # Accessing the second element
last_two_elements = my_tuple[-2:]  # Accessing the last two elements

# Output
print("Tuple:", my_tuple)
print("Second Element:", second_element)
print("Last Two Elements:", last_two_elements)
```

```
Tuple: ('apple', 'banana', 'cherry', 'date', 'elderberry')
Second Element: banana
Last Two Elements: ('date', 'elderberry')
```

In [3]:
```
# Creating a dictionary
my_dict = {
    "name": "Alice",
    "age": 25,
    "city": "New York",
    "profession": "Engineer",
    "hobby": "Painting"
}

# Accessing elements by key
name = my_dict["name"]  # Accessing the value associated with the key 'name'
hobby = my_dict.get("hobby")  # Using the get() method to access the key 'hobby'

# Output
print("Dictionary:", my_dict)
print("Name:", name)
print("Hobby:", hobby)
```

```
Dictionary: {'name': 'Alice', 'age': 25, 'city': 'New York', 'profession': 'Enginee
r', 'hobby': 'Painting'}
Name: Alice
Hobby: Painting
```