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IDLE Shell 3.13.6
File Edit Shell Debug Options Window Help
Python 3.13.6 (tags/v3.13.6:4e66535, Aug 6 2025, 14:36:00) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.

>>> a=[1,2,3,4]
>>> a
[1, 2, 3, 4]
>>> b={5,6,7,8}
>>> b
{5, 6, 7, 8}
>>> a.add(9)
>>> a
[1, 2, 3, 4, 9]
>>> c=a.copy()
>>> c
[1, 2, 3, 4, 9]
>>> a.union(b)
[1, 2, 3, 4, 5, 6, 7, 8, 9]
>>> a.intersection(b)
set()
>>> b.difference(a)
Traceback (most recent call last):
  File "<pyshell#11>", line 1, in <module>
    b.difference(a)
AttributeError: 'set' object has no attribute 'difference'.
>>> b.difference(a)
{8, 5, 6, 7}
>>> a.symmetric_difference(b)
{1, 2, 3, 4, 5, 6, 7, 8, 9}
>>> a.discard(5)
>>> a
[1, 2, 3, 4, 9]
>>> a.update(3,6)
Traceback (most recent call last):
  File "<pyshell#16>", line 1, in <module>
    a.update(3,6)
TypeError: 'int' object is not iterable
>>> a.update([3,6])
>>> a
[1, 2, 3, 4, 6, 9] ... . . .

>>> a.intersection(b)
set()
>>> b.difference(a)
Traceback (most recent call last):
  File "<pyshell#11>", line 1, in <module>
    b.difference(a)
AttributeError: 'set' object has no attribute 'difference'.
Did you mean: 'difference'?
>>> b.difference(a)
{8, 5, 6, 7}
>>> a.symmetric_difference(b)
{1, 2, 3, 4, 5, 6, 7, 8, 9}
>>> a.discard(5)
>>> a
[1, 2, 3, 4, 9]
>>> a.update(3,6)
Traceback (most recent call last):
  File "<pyshell#16>", line 1, in <module>
    a.update(3,6)
TypeError: 'int' object is not iterable
>>> a.update([3,6])
>>> a
[1, 2, 3, 4, 6, 9]
>>> a.difference_update(b)
>>> a
[1, 2, 3, 4, 9]
>>> a.isdisjoint(b)
True
>>> a.issubset(a)
True
>>> a.issubset(b)
False

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sanjanakp.py - C:/Users/RVUW268/AppData/Local/Programs/Python/Python313/sanjanakp.py (3.13.6)*
File Edit Format Run Options Window Help
def list_operations():
    my_list = []
    while True:
        print("\nList Operations:")
        print("1. Insert an element")
        print("2. Delete an element")
        print("3. Find an element")
        print("4. Display list")
        print("5. Exit")
        choice = int(input("Enter your Choice: "))
        if choice == 1:
            element = input("Enter element to insert: ")
            my_list.append(element)
            print(f"Element '{element}' inserted.")
        elif choice == 2:
            element = input("Enter element to delete: ")
            if element in my_list:
                my_list.remove(element)
                print(f"Element '{element}' deleted.")
            else:
                print(f"Element '{element}' not found.")
        elif choice == 3:
            element = input("Enter element to find: ")
            if element in my_list:
                print(f"Element '{element}' found.")
            else:
                print(f"Element '{element}' not found.")
        elif choice == 4:
            print("Current list: {my_list}")
        elif choice == 5:
            break
        else:
            print("Invalid choice, please try again.")
list_operations()

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File Edit Shell Debug Options Window Help
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RESTART: C:/Users/RVUW268/AppData/Local/Programs/Python/Python313/sanjanakp.py =====
List Operations:
1. Insert an element
2. Delete an element
3. Find an element
4. Display list
5. Exit
Enter your Choice: 1
Enter element to insert: 6 7 8
Element '6 7 8' inserted.

List Operations:
1. Insert an element
2. Delete an element
3. Find an element
4. Display list
5. Exit
Enter your Choice: 2
Enter element to delete: 9
Element '9' not found.

List Operations:
1. Insert an element
2. Delete an element
3. Find an element
4. Display list
5. Exit
Enter your Choice: 3
Enter element to find: 6
Element '6' not found.

List Operations:
1. Insert an element
2. Delete an element
3. Find an element
4. Display list
5. Exit
Enter your Choice: 4
List Operations:
1. Insert an element
2. Delete an element
3. Find an element
4. Display list
5. Exit
Enter your Choice: 5
Current list: ['6 7 8']


```