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def main():
    set1 = set()
    set2 = set()



    while True:
        print("\n---- SET OPERATIONS ----\n")
        choice = int(input("1: Insert \n2: Size \n3: Remove \n4: Contains \n5: Union \n6: Intersection \n7: Subset \n8: Difference \n9: Exit\nEnter Your Choice: "))


        if choice == 1:
            n1 = int(input("Enter the number of elements in set 1: "))
            for i in range(n1):
                data_name = input("Enter element for set 1: ")
                set1.add(data_name)


            n2 = int(input("\nEnter the number of elements in set 2: "))
            for i in range(n2):
                data_name = input("Enter element for set 2: ")
                set2.add(data_name)


            print("Set 1:", set1)
            print("Set 2:", set2)


        elif choice == 2:
            print("Size of set 1:", len(set1))
            print("Size of set 2:", len(set2))


        elif choice == 3:
            print('Remove element from which set? (1 for set 1, 2 for set 2)')
            inp = int(input("Enter your choice: "))
```

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    if inp == 1:
        if set1:
            set1.pop()
            print("Updated Set 1:", set1)
        else:
            print("Set 1 is empty.")
    elif inp == 2:
        if set2:
            set2.pop()
            print("Updated Set 2:", set2)
        else:
            print("Set 2 is empty.")
    else:
        print("Invalid input!")

elif choice == 4:
    ip = input("Enter element you want to check: ")
    if ip in set1:
        print("Set 1 contains the element:", ip)
    if ip in set2:
        print("Set 2 contains the element:", ip)
    if ip not in set1 and ip not in set2:
        print("Element not found in either set.")

elif choice == 5:
    print("Union:", set1.union(set2))

elif choice == 6:
    print("Intersection:", set1.intersection(set2))

elif choice == 7:
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            if set1.issubset(set2):
                print("Set 1 is a subset of Set 2")
            else:
                print("Set 1 is not a subset of Set 2")

        elif choice == 8:
            differ = set2.difference(set1)
            print("Difference (Set2 - Set1):", differ)

        elif choice == 9:
            print("Terminated successfully.")
            break

        else:
            print("Invalid choice! Please enter a number between 1 and 9.")

# Run the main function
main()
```