```
def createset():
    n = int(input("Enter the number of elements you want to insert: "))
    s = set()
    for i in range(n):
        element = int(input(f"Enter the {i + 1} element: "))
        s.add(element)
    return s

def Insertele(s):
    element = int(input("Enter the element you want to insert: "))
    s.add(element)
    print(s)

def Deleteele(s):
    element = int(input("Enter the element you want to remove: "))
    if element in s:
        s.remove(element)
        print("Element Removed from set")
    else:
        print("Element Not Found in set")
    print(s)

def Searchele(s):
    element = int(input("Enter the element to search: "))
    if element in s:
        print("Element found in set")
    else:
        print("Element not found in set")

def Setsize(s):
    print("Size of the set:", len(s))
```

```
def operation(n, set1, set2):
    if n == 5:
        print("Union of sets:", set1.union(set2))
    elif n == 6:
        print("Intersection of sets:", set1.intersection(set2))
    elif n == 7:
        print("Difference of sets:", set1.difference(set2))
    elif n == 8:
        if set2.issubset(set1):
            print("Set B is a subset of Set A")
        else:
            print("Set B is not a subset of Set A")



s1 = createset()

while True:
    print("\nOptions:")
    print("1. Add element")
    print("2. Remove element")
    print("3. Search element")
    print("4. Size of set")
    print("5. Union of sets")
    print("6. Intersection of sets")
    print("7. Difference of sets")
    print("8. Check subset")
    print("9. Exit")

    choice = int(input("Enter your choice: "))

    if choice == 9:
        print("Exiting the program.")
```

```
        break
    elif choice == 1:
        Insertele(s1)
    elif choice == 2:
        Deleteele(s1)
    elif choice == 3:
        Searchele(s1)
    elif choice == 4:
        Setsize(s1)
    elif 5 <= choice <= 8:
        print("\tEnter the data of second set.")
        s2 = createset()
        operation(choice, s1, s2)
    else:
        print("Invalid choice.")
```