atoms=["hydrogen","helium","lithium","berylium","boron","carbon","nitrogen","oxygen"]

choice=""

while choice !="x":

    print("==========")

    print("A T O M F I N D E R")

    print("==========")

    print("\n")

    print("A: append an atom to the list")

    print("B: remove an atom from the list")

    print("C: print the list")

    print("D: sort the list")

    print("E: print the length of the list")

    print("F: edit an atom")

    print("X: exit the program")

    print("\n")

    choice=input("choose an option:")

    if choice=="A":

        name=input("enter the name of an atom to add:")

        atoms.append(name)

        print(name,"has been added to the list")

    if choice=="B":

        name=input("enter the name of an atom you want to remove:")

        atoms.remove(name)

        print(name,"has been removed from the list")

    if choice=="C":

        print(atoms)

    if choice=="D":

        atoms.sort()

        print(atoms)

    if choice=="E":

        print(len(atoms))

    if choice=="F":

        print(atoms)

        i=int(input("which atom do you want to change?"))

        atoms[i]=input("enter a new atom:")

        print(atoms)