#the list of atoms
atoms=["hydrogen","helium","lithium","berylium","boron","carbon","nitrogen","oxygen","florine","neon"]
#main program
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: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 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 u wanna change?"))
        atoms[i]=input("enter a new atom")
        print (atoms)