#the list of atoms

atoms=["hydrogen","helium","lithium","berllium","boron","carbon,""nitrogen","oxygen","flourine","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 atoms in 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=="F":

print(atoms)

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

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

print(atoms)