#the list of atoms

atoms=["hydrogenm","lithium","beryllium","boron","carbon","nitrogen","oxygen","fluorine","neon","sodium","magnesium","aluminium","silicon","phosphorous","sulfur"]

#main program

choice=""

while choice !="x":

print("\*\*\*\*\*\*\*\*\*\*\*\*")

print("atom finder")

print("\n")

print("a:append an atom the lsit")

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=(input("which atom do you wangt to change?"))

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

print(atoms)