#the list of atoms

atoms=["hydrogen","helium","lithium","beryllium","boron"]

#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 you want to change?"))

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

print(atoms)