#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)