# # # The lists of atoms

atoms = ["Hydrogen","Helium","Lithium","Beryllium","Boron","Carbon,Nitrogen","Oxygen"]

### 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("X: EXit the program")

choice = input("Choose an option")

if choice =="A":

 name = input("enter the name of an atom to add: ")

 atpms.append(name)

 print(name, "has been added to the list")

 if choice == "A":

 add\_atoms()

if choice == "B":

 name = input ("enter the atom of an to remove: ")

 atoms.remove(name)

 print(name, "has been removed from the list")

 if choice == "D":

 atoms.sort()

 def add\_atom():

 name = input ("enter the name of an atoms toa add: ")

 atoms.append(name)

 print(name, "has been added to the list")

 stop = len(atoms)

 for i in range (stop):

 print(atoms[i])