#the list of atoms

atoms=["hydrogen","helium","lithium","berylium","boron","carbon","nitrogen","oxygen","florine","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 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 u wanna change?"))

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

print (atoms)

#the list of atoms

atoms=["hydrogen","helium","lithium","berylium","boron","carbon","nitrogen","oxygen","florine","neon"]

#main program

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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 u wanna change?"))

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

print (atoms)