#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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 atoms.sort()

 print (atoms)

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 print(len(atoms))

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 i=int(input("which atom do u wanna change?"))

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