#the list of items

atoms=["hudrogen","helium","nitrogen","beryllium","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 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 the atom to remove")

 atoms.remove(name)

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

 if choice =="C":

 atoms.sort()

 if choice=="D":

 atoms.sort()

 if choice =="E":

 print(len(atoms))

 if choice =="F":

 print(atoms)

 i=int(input("which atom do you want to change"))

 atoms[1]=input("enter a new name")

 print(atoms)