#the list of items

atoms=["Hydrogen","Helium","Lithium",

"Beryllium","Boron","Carbon","Nitrogen","Oxygen","Fluorine","Neon","Sodium","Magnesium","Aluminum","Silicon","Phulfur","Chlorine","Argon","Pottasium","Calcium","Scandium","Titanium","Vanadium","Vanadium","Chromium","Manganese","Iron","Cobalt","Nickel","Copper","Zinc","Gallium","Germanium"

"Arsenic","Selenium","Bromine","Krypton","Rubidium","Strontium","Yttrium","Zirconium","Niobum","Molybdenum","Technetium","Ruthenium","Rhodium","Palladium","Silver"

"Cadmium","Barium","Lanthanum","Cerium","Praseodymium","Neodymium","Promethium","Samarium","Europium","Gadolinium","Terbium"

"Dysporsium","Holmium","Erbium","Thulium","Ytterbium","Lutetium","Hafnium","Tantalium","Tungsten","Rhenium","Osmium","Iridium","Platinum","Gold",

"Mercury","Thallium","Lead","Bismuth","Polonium","Astatine","Radon","Francium","Radium"]

#Main program

choice=""

while choice !="x":

 print("===")

print("A T O M Finder")

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("Chosse an option")

if choise=="A":

 name=input("enter the name of the atoms 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")

 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)

 if choice=="E":

 print(len(atoms)))