#the list of atoms

atoms=["hydrogen","helium","lithium","berylium ","Boron","Carbon","Nitrogen","Oxygen","Fluorine","Neon","Sodium","Magnesium","Aluminium","Silicon","Phosphorus","Sulfur","Chlorine","Argon","Potassium","Scandium","Titanium","Vanadium","Chromium","Manganese","Cobalt","Nickel","Copper","Zinc","Gallium","Germanium","Arsenic","Selenium","Bromine", "Krypton","Rubidium","Strontium","Yttrium","Zirconium","Niobium","Molybdenum","Technetium","Ruthenium","Rhodium","Palladium","Silver","Cadmium","Indium","Tin","Antimony","Tellurium","Iodine","Xenon","Cesium","Barium","Lanthanum","Cerium","Praseodymium","Samarium","Europium","Gadolinium","Terbium","Dysprosium","Holmium","Erbium","Thulium","Ytterbium","Lutetium","Hafnium","Tantalum","Tungsten","Rhenium","Osmium","Iridium","Platinum","Gold","Mercury","Thallium","Lead","Bismuth","Polonium","Astatine","Radon","Francium","Radium"]

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 ")

print("\n")

choice =input ("choose:")

if choice=="A":

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

atoms.append (name)

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

if choice=="B":

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

atoms.remove

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

if choice =="D":

atoms.sort()

if choice =="E":

print(len(atoms))

if choice == "F":

print(atom)

i=int(input("enter a new atomto ghange?"))

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

print(atoms)