#the list of atoms

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

choice=""

while choice!="X":

print("!@#$%^&\*\*&^%$#@!")

print("GAVI")

print ("NEYMARRRRRRRRRRR")

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 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 to the list")

if choice=="C":

print(atoms)

if choice=="D":

atoms.sort()

print(atoms)

if choice=="E":

print(len(atons))

if choice=="F":

print(atoms)

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

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

print(atoms)