#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)