the list of atoms

atoms= ["hydrogen", "helium","Lithium", "Beryllium", "Boron", "Carbon", "Nitrogen", "Oxygen", "Fluorine", "Neon"

"Sodium", "Magnesium", "Aluminum", "Silicon", "Phosphorus" "Sulfur", "Chlorine", "Argon", "Potassium", "Calcium",

"Scandium", "Titanium", "Vanadium", "Chromium", "Manganese", "Iron", "Cobalt", "Nickel", "Copper", "Zinc",

"Gallium", "Germanium", "Arsenic", "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", "Neodymium",

"Promethium", "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"]

#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 an atom to remove:")

        atoms.remove(name)

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

    if choice=="C":

        print (atoms)

    if choice=="D":

            atoms.sort()

            print (atoms)

    if choice=="E":

        print(len(atoms))

    if choice=="F":

        print (atoms)

        i=int(input("which atom do u wanna change?"))

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

        print (atoms)

#the list of atoms

atoms=["hydrogen","helium","lithium","berylium","boron","carbon","nitrogen","oxygen","florine","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 an atom to remove:")

        atoms.remove(name)

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

    if choice=="C":

        print (atoms)

    if choice=="D":

            atoms.sort()

            print (atoms)

    if choice=="E":

        print(len(atoms))

    if choice=="F":

        print (atoms)

        i=int(input("which atom do u wanna change?"))

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

        print (atoms)