atoms=["hydrogen","helium","lithium","beryllium","boron","carbon","nitrogen","oxygen","fluorine","neon","sodium","magnesium","aluminum","silicon","phosphourus","sulfer","chlorine","argon","potassium","calcium","scandium","titanium","vanadium","chromium","manganese","iron","cobalt","nikckel","copper","zinc","gallium","germanium","arsenic","selenium","bromine","krypton","rubidium","strontium","yttrium","zirconium","niobium","molybdenum","technetium","ruthenium","rhodium","palladiun","silver","cadmium","indium","tin","antimony","tellurium","iodine","xenon","cesium","barium","lanthanum","cerium","praseodymium","neodymium","promethium","samarium","eoropium","gadolinium","terbium","dysprosium","holmium","erbium","thulium","ytterbium","lutetium","hafnium","tantalum","tungsten","rhenium","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: Apend an atom to the list")

    print("B: Romove an atom from the list")

    print("C: Print the list")

    print("D: Sort the list")

    print('E:the lengthof 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 a name of an atom to add: ")

        atoms.append(name)

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

        if choice=="B":

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

            atoms.remove(name)

            print(name,"nas been removed to the list")

            if choice=="C":

                print(atoms)