atoms=["hydrogen","Helium","Lithium","Beryllium"]

#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 item from the list")

 print("C: Print the list")

 print("D: Sort the atoms in list")

 print("E: the lenght 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 you want to change?"))

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

 print(atoms)