Sarah zreiqat 8D

# 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 I C 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("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("enter a name of an atom to remove:")

atooms.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)