*Computer final project*

*atoms=["hydrogen","helium","lithium","beryllium","boron","carbon","nitrogen","oxygen","fluorine"*

*"neon","sodium","Magnesium","alminuim","silicon","phsphorus","sulfur","chlorine","argon","potassium","calcium","scandium","titanium","vanadium","chromium","maganese","iron"*

*"cobalt","nickel","copper","zinc","gallium", "germanium","arsenic","selenium","bromine","krypton","rubidium","strontium","yitruim"*

*"zirconium","niobium","nolybdenum","technetium","ruthenium","rhodium","palladium","silver","cadmium","indium","tin"*

*,"antimony","tellurium","iodine", "xenon","cesium","barium","lanthanum","cerium","praseodymium","neodymium","promethium","samarium",*

*"eurpium","gadolinium","terbium","dysprosium","holmium","erbium","thulium","ytterbium","lutetium","hafinum","tantalum"*

*"tungsten","rhenium","osmium","iridium","platinum","gold","mercury","thalium","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 you want to change"))*

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

*print(atoms)*