*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)*