***Here is my ICT 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)**