Lab #31

Programming and Algorithms

Take the existing pickle code:

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| import pickle# PROGRAM Serializing=Objects:MyObject = ["a list", "containing", 5, "values including another list", ["inner", "list"]]# Create a listwith open("pickled\_list.p", "wb") as MyFile: pickle.dump(MyObject, MyFile)# Load the object to the filewith open("pickled\_list.p", "rb") as MyFile: MyNewObject = pickle.load(MyFile)# Load the file into the objectprint(MyNewObject)assert MyNewObject == MyObject# END. |

And change it to process JSON files as follows:

1. Import “json” instead of “pickle”, and everywhere you see “pickle” in the code replace it with “json”
2. Change the file extensions from “.p” to “.json”
3. Replace the existing MyObject with:

MyObject ={

 "a": [1,3,"asdf", True],

 "b": {

 "Hello": "world"

 }

}

1. Change the file opening from “wb” to “w” and “rb” to “r”.

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| e-mail me a completed solution to the above program in a Word document (as well as a copy of the JSON file), and include Labs #25-30 in this document also. e-mail to Damian.Gordon@dit.ie with subject heading “DT255 PaA Lab #25-31” |