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CSD-325

Assignment8\_2

06/29/25

**Python Code:**

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# Assignment: 8.2

# Description: Loads, displays, updates, and saves a student list from a JSON file using py.

import json

def load\_students(filename):

with open(filename, 'r') as f:

return json.load(f)

def print\_students(students, header):

print(header)

for student in students:

print(f"{student['L\_Name']}, {student['F\_Name']} : ID = {student['Student\_ID']} , Email = {student['Email']}")

print() # Blank line for readability

def save\_students(filename, students):

with open(filename, 'w') as f:

json.dump(students, f, indent=4)

def main():

filename = r"C:/csd/csd-325/Module-8/student.json"

# Load original students list  
students = load\_students(filename)  
  
# Print original list  
print\_students(students, "Original Student List:")  
  
# Append your own student info (replace with your details)  
new\_student = {  
 "F\_Name": "YourFirstName",  
 "L\_Name": "YourLastName",  
 "Student\_ID": 123456,  
 "Email": "[youremail@example.com](mailto:youremail@example.com)"  
}  
students.append(new\_student)  
  
# Print updated list  
print\_students(students, "Updated Student List:")  
  
# Save updated list back to JSON file  
save\_students(filename, students)  
print(f"{filename} has been updated.")

if \_\_**name\_\_** == "\_\_**main\_\_**":

main()

Screenshots of successful run and update:

(Since I use Sublime Text for my IDE it doesn’t do pop ups for updates, it does a silent update. For that reason I have taken before and after run screenshots to show the document got updated.)

