def main():

    #create dictionary of student info

    student\_info = {}

    #adding students to the diction

    student\_info['Ed'] = {'ID': 'S001', 'GPA': 3.5, 'Credits Completed': 30, 'Grades': [85, 90, 88]}

    student\_info['Edd'] = {'ID': 'S002', 'GPA': 3.8, 'Credits Completed': 45, 'Grades': [92, 89, 95]}

    student\_info['Eddy'] = {'ID': 'S003', 'GPA': 2.9, 'Credits Completed': 15, 'Grades': [75, 80, 72]}

    #print dictionary

    print("\nAll Student Information:")

    print(student\_info)

    #heading

    print("\nStudent Names:")

    #printing each student in dictionary

    for student in student\_info:

        print(student)

    #printing student data

    print("\nAccessing Student Information:")

    print("Name\tID\tGPA\tCredits Completed\tGrades")

    for name, details in student\_info.items():

        print(f"{name}\t{details['ID']}\t{details['GPA']}\t{details['Credits Completed']}\t\t{details['Grades']}")

    #remove a student

    print("\nRemoving a Student:")

    #popping off (using pop method)

    student\_info.pop('Edd')

    #updated list after pop/removal

    print("Updated Student Information:")

    print(student\_info)

    #access GPA

    print("\nAccessing GPA Information:")

    #use get method to get GPA

    for name in student\_info:

        gpa = student\_info.get(name).get('GPA')

        print(f"{name}'s GPA: {gpa}")

    print("\nClearing the Student Registry:")

    #clearing

    student\_info.clear()

    print("Student Registry After Clearing:")

    print(student\_info)

    print("\nCompleted by, TJ Waldie")

if \_\_name\_\_ == "\_\_main\_\_":

    main()

