Lesson 8 Assignment – Alyssa Doughty

import csv

def create\_csv\_file(filename):

with open(filename, mode='w', newline='') as file:

writer = csv.writer(file)

writer.writerow(['Name', 'Phone', 'Email'])

print(f"File '{filename}' created successfully.")

def add\_contact(filename):

name = input("Enter the name of the contact: ")

phone = input("Enter the phone number: ")

email = input("Enter the email address: ")

with open(filename, mode='a', newline='') as file:

writer = csv.writer(file)

writer.writerow([name, phone, email])

print(f"Contact '{name}' added successfully.")

def view\_contacts(filename):

with open(filename, mode='r') as file:

reader = csv.reader(file)

next(reader)

print("Contacts in the file:")

for row in reader:

print(f"Name: {row[0]}, Phone: {row[1]}, Email: {row[2]}")

def edit\_contact(filename):

with open(filename, mode='r') as file:

reader = csv.reader(file)

rows = list(reader)

if len(rows) <= 1:

print("No contacts available to edit.")

return

print("Existing contacts:")

for idx, row in enumerate(rows[1:], 1):

print(f"{idx}. Name: {row[0]}, Phone: {row[1]}, Email: {row[2]}")

contact\_index = int(input("Select the contact number you want to edit: "))

if contact\_index < 1 or contact\_index >= len(rows):

print("Invalid contact number.")

return

contact = rows[contact\_index]

print(f"Editing contact: Name: {contact[0]}, Phone: {contact[1]}, Email: {contact[2]}")

new\_name = input(f"Enter new name (current: {contact[0]}): ")

new\_phone = input(f"Enter new phone number (current: {contact[1]}): ")

new\_email = input(f"Enter new email (current: {contact[2]}): ")

rows[contact\_index] = [new\_name, new\_phone, new\_email]

with open(filename, mode='w', newline='') as file:

writer = csv.writer(file)

writer.writerow(['Name', 'Phone', 'Email'])

writer.writerows(rows[1:])

print("Contact updated successfully.")

def main():

filename = "contacts.csv"

print("Welcome to the Contact Manager App!")

print("Push the following options to perform the corresponding action:")

print("1 - Create a new contact file")

print("2 - Add a new contact")

print("3 - View all contacts")

print("4 - Modify an existing contact")

print("5 - Save and exit")

option = input("\nEnter your choice (1-5): ")

while True:

if option == '1':

create\_csv\_file(filename)

elif option == '2':

add\_contact(filename)

elif option == '3':

view\_contacts(filename)

elif option == '4':

edit\_contact(filename)

elif option == '5':

print("Exiting the program. Goodbye!")

break

else:

print("Invalid option. Please try again.")

option = input("\nEnter your choice (1-5): ")

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

main()

print("Completed by Alyssa Doughty")









