1.

# weather\_forecast.py

Import requests

Def get\_weather(api\_key, city):

Base\_url = <http://api.openweathermap.org/data/2.5/weather?>

Complete\_url = f”{base\_url}q={city}&appid={api\_key}&units=metric”

Response = requests.get(complete\_url)

Data = response.json()

If data[“cod”] != “404”:

Main = data[“main”]

Wind = data[“wind”]

Weather = data[“weather”][0]

Print(f”City: {city}”)

Print(f”Temperature: {main[‘temp’]}°

2.

# contact\_manager.py

Import json

Import os

CONTACTS\_FILE = “contacts.json”

Def load\_contacts():

If os.path.exists(CONTACTS\_FILE):

With open(CONTACTS\_FILE, “r”) as file:

Return json.load(file)

Return []

Def save\_contacts(contacts):

With open(CONTACTS\_FILE, “w”) as file:

Json.dump(contacts, file, indent=4)

Def add\_contact(contacts):

Name = input(“Enter contact name: “)

Phone = input(“Enter contact phone number: “)

Contacts.append({“name”: name, “phone”: phone})

Print(f”Contact ‘{name}’ added.”)

Def view\_contacts(contacts):

If not contacts:

Print(“No contacts available.”)

Else:

Print(“Contacts:”)

For idx, contact in enumerate(contacts, 1):

Print(f”{idx}. Name: {contact[‘name’]}, Phone: {contact[‘phone’]}”)

Def delete\_contact(contacts):

View\_contacts(contacts)

If contacts:

Contact\_num = int(input(“Enter the contact number to delete: “))

If 1 <= contact\_num <= len(contacts):

Removed\_contact = contacts.pop(contact\_num – 1)

Print(f”Contact ‘{removed\_contact[‘name’]}’ deleted.”)

Else:

Print(“Invalid contact number.”)

Def main():

Contacts = load\_contacts()

While True:

Print(“\nOptions:”)

Print(“1. View contacts”)

Print(“2. Add contact”)

Print(“3. Delete contact”)

Print(“4. Exit”)

Choice = input(“Enter your choice (1/2/3/4): “)

If choice == ‘1’:

View\_contacts(contacts)

Elif choice == ‘2’:

Add\_contact(contacts)

Save\_contacts(contacts)

Elif choice == ‘3’:

Delete\_contact(contacts)

Save\_contacts(contacts)

Elif choice == ‘4’:

Print(“Exiting…”)

Break

Else:

Print(“Invalid choice. Please try again.”)

If \_\_name\_\_ == “\_\_main\_\_”:

Main()