**Main**

Readjson

Scrape

While program hasn’t been killed:

Query choice

Go to respective function

**Functions**

**Choice1**

Query input

Check validity of input

Call holidayList.addHoliday

**Choice2**

Query input

Check validity of input

Call holidayList.removeHoliday

**Choice3**

Call save to json function

**Choice4**

Query for year and week

If looking for current week, also show weather with weather function

Else just show holidays in week with display holidays

**Choice5**

Confirm exit

End program

**Readjson**

Get path

Read file and add to dictionary

Then add each dictionary to the holiday list

**Scrape holidays**

Create a year list

Create a month dictionary

Begin parsing url html responses

Create holiday objects

Add to holiday list

Repeat for next year

**addHoliday**

adds new holiday to list ex. Birthday

confirms with print statement

**removeHoliday**

removes holiday based on name and date

confirms

**findHoliday**

finds a holiday by name and date if exists by parsing through holiday list with for loop

**displayHolidays**

prints holiday name in given list

**numHolidays**

given

**filter by week**

confirms week is valid

get year list with filter

get week list in that year

**displayHolidaysInOtherWeeks**

prints name and date

**getWeather**

uses openweathermap

gets dates of next week

adds weather conditions in to dictionary

append each day dictionary to weather list

**viewCurrentWeek**

prints day

gets holidays on that day and prints

prints weather conditions in formatted order