Today I am going to be showing you how to make your own weather in kivy for starters you are going to need to install kivy open up your terminal and run “pip install kivy”

First off we are going to need to import some things specifically

A screen shot of a computer program

Description automatically generated

The requests is so that we can use an api key to grab information from a weather site

Declare a class that has a parameter of app with a function called build with a parameter of self

Finally at the end have this code at the end

A computer screen with text and symbols

Description automatically generated with medium confidence

A black background with white text

Description automatically generated

At the end of the class return self.window

For starters we are going to design all the labels spinners and the radio button

Define a gridlayout with 1 column and then another grid layout with 2 columns and a height of 44

Next declare a label and a text input to get the location and add it to the grid layout it should look like this so far

A screen shot of a computer code

Description automatically generated

Declare another grid layout with 2 columns and a height of 44 and add a label and a spinner object the text being Celsius and the values being Celsius and fahreheit and then add it to the grid layout it should look like this D

A screen shot of a computer program

Description automatically generated

Next we are going to make our radio button first declare a box layout with an orientation of horizontal and a height of 44

Next add a label 2 toggle buttons both in group called radio group one being the text yes other no and have the state of yes be normal and no be down finally bind both of those functions to on\_press=self.on\_button\_press and last of all add it to the layout it should look like this

A screen shot of a computer program

Description automatically generated

The final thing we are going to add is a button to get the weather information so make a button and bind it to on\_press-self.get\_weather and add it to the window along with the spinner, radio and location input layout it should like this

A screen shot of a computer code

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Next we are going to declare a function called get\_weather with 2 parameters self and instance

You want to get the unit by getting the text of the spinner then declare your api key and a dictionary and finally another variable to get the value associate with the unit variable it should look like this

A computer screen with text and numbers

Description automatically generated

Next of all declare an if and a elif statement so that if they are using coordinates it wont give an error

A screenshot of a computer

Description automatically generated

Declare location as the text of location input text input and if location has stuff do a try and catch where it will catch any errors and output it to you using a popup

A screen shot of a computer program

Description automatically generated

The try will look like this and the except will look like this and finally make a popup label using the text being weather\_info it should look like this

A screen shot of a computer code

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For the elif statement have latitude be the text from the lat text input and long from the long text input and if both exist run almost the same function from the other if statement but have the response variable use the latitude and longitude variables instead of the location it should look like this

A computer screen shot of text

Description automatically generated

Finally we are going to declare a function called button\_rpess with 2 parameters being self and instance with the same if and elif statement from the previous function but if the yes button is held down we get rid of location\_input\_layout and declare a coordinate\_input\_layout with 2 labels and 2 text inputs at the very end remove the spinner layout, radio\_layout and weather button and then at the end add the coordinate\_input\_layout the spinner, and radio layout and finally the weather button it should look like this  
A computer screen shot of a program code

Description automatically generated

Finally in the elif statement remove the location\_input\_layout and the coordinate\_input\_layout along with the spinner, and radio layout along with the weather button and add it all back so it is in the correct order

A screen shot of a computer program

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