

In [3]:

```
import tkinter as tk
import requests
from PIL import Image, ImageTk
```

In [20]:

```
def format_response(weather):
    try:
        name = weather['name']
        desc = weather['weather'][0]['description']
        temp = weather['main']['temp']

        final_str = 'City: %s \n Conditions: %s \n Temperatur(°F): %s' %(name, desc, te
mp)
    except:
        final_str = "No Record Found"

    return final_str

def weather(city):
    wkey = '1036354820e64de1f3efaffdfeebba43'
    link = 'https://api.openweathermap.org/data/2.5/weather'
    parameters = {'APPID' : wkey, 'q' : city, 'units' : 'Imperial'}
    response = requests.get(link, params = parameters)
    weather = response.json()

    label['text'] = format_response(weather)
```

In [21]:

```
root = tk.Tk()
root.geometry("600x500")
root.title("Nikhil App")

img = 'nature.png'
bgs = ImageTk.PhotoImage(file=img, master = root)
bgs_label = tk.Label(root, image=bgs)
bgs_label.place(width=1600, height=800)

frame = tk.Frame(root, bg='#ccffcc', bd=5, relief = 'ridge')
frame.place(relx=0.5, rely=0.75, relwidth=0.75, relheight=0.1, anchor='n')

frame1 = tk.Frame(root, bg='#ccffcc', bd=5, relief = 'ridge')
frame1.place(relx=0.5, rely=0.1, relwidth=0.75, relheight=0.1, anchor='n')

entry = tk.Entry(frame1, font = ('arial',20))
entry.place(relheight=1, relwidth=1)

button = tk.Button(frame, text = 'Search Google', font=40, bg='#ccffcc', command = lambda: weather(entry.get()))
button.place(relheight=1, relwidth=1)

frame2 = tk.Frame(root, bg='#ccffcc', bd=5, relief='ridge')
frame2.place(relx=0.5, rely=0.20, relwidth=0.75, relheight=0.55, anchor='n')

label = tk.Label(frame2, font=('arial',20))
label.place(relwidth=1, relheight=1)

root.mainloop()
```

In []: