Postal Pin code

**Code:**

app.yaml

runtime: python311

threadsafe: true

handlers:

- url: /

script: main.app

main.py

import os

import json

import urllib

import webapp2

from google.appengine.ext.webapp import template

class MainPage(webapp2.RequestHandler):

def get(self):

template\_values = {}

path = os.path.join(os.path.dirname(\_\_file\_\_), 'index.html')

self.response.out.write(template.render(path, template\_values))

def post(self):

pincode = self.request.get('zipCode')

if not pincode.isnumeric() or not len(pincode) == 6:

template\_values = {

"error": "Incorrect Pin Code (String / False Code entered)"

}

path = os.path.join(os.path.dirname(\_\_file\_\_), 'index.html')

return self.response.out.write(template.render(path, template\_values))

url = "https://api.postalpincode.in/pincode/" + pincode

data = urllib.urlopen(url).read()

data = json.loads(data)

if(data[0]['Status'] == 'Success'):

post\_office = data[0]['PostOffice'][0]['State']

name = data[0]['PostOffice'][0]['Name']

block = data[0]['PostOffice'][0]['Block']

district = data[0]['PostOffice'][0]['District']

template\_values = {

"post\_office": post\_office,

"name": name,

"block": block,

"district": district

}

path = os.path.join(os.path.dirname(\_\_file\_\_), 'results.html')

self.response.out.write(template.render(path, template\_values))

else:

template\_values = {}

path = os.path.join(os.path.dirname(\_\_file\_\_), 'error.html')

self.response.out.write(template.render(path, template\_values))

app = webapp2.WSGIApplication([('/', MainPage)], debug=True)

**Output:**







