1. 根据时间和station\_id获取天气的历史数据 (历史数据)
2. URL：

'https://api-ak.wunderground.com/api/606f3f6977348613/history\_' + time\_str + 'null/units:metric/v:2.0/q/pws:' + station\_id + '.json?'

1. Input:

time\_str=”YYYYMMDD” (i.e. 20180408)

station\_id: 站点id （i.e. ‘I11BAIZH2’）

1. Output:
2. data = {  
    "history": {  
    "days": {  
    [{  
    "observations": [{},{}], # 一天每小时的天气情况  
    "summary": {} #一天整体的天气  
    }]  
    },  
    "end\_date": {},  
    "start\_date": {},  
    },  
    "response": {  
    "date":{} #查询当天的天气情况  
    }  
   }
3. 根据经纬度获取周围站点天气情况 （当天以及预测的天气）
4. URL:'https://stationdata.wunderground.com/cgi-bin/stationdata?v=2.0&type=ICAO%2CPWS&units=english&format=json&maxage=1800&maxstations=35&minstations=10&centerLat=' + str(lat) + '&centerLon=' + str(lng) + '&height=400&width=400&iconsize=2'
5. Input:

Lat:维度

Lng:经度

1. Output
2. 根据经纬度获取将来240小时每小时的数据
3. 'https://api.weather.com/v1/geocode/' + str(lat) + '/' + str(lng) + '/forecast/hourly/240hour.json?apiKey=6532d6454b8aa370768e63d6ba5a832e&units=e'
4. 根据经纬度或者10天每天的数据
5. URL:'https://api.weather.com/v1/geocode/' + str(lat) + '/' + str(lng) + '/forecast/daily/10day.json?apiKey=6532d6454b8aa370768e63d6ba5a832e&units=e'

北京站点：

I11HAIDI3,39.97919083,116.29973602,Haidian

IHAIDIAN9,39.9978447,116.36952209,Haidian Qu

ICHAOYAN11,39.96221161,116.44536591,Chaoyang Qu

IBEIJING355,39.89273453,116.33809662,Beijing

I11BAIZH2,39.87382126,116.33994293,Baizhifang

IBEIJING184,40.03221893,116.50910187,Beijing

IXICHENG8,39.89440155,116.34385681,Xicheng Qu

I11HAIDI2,39.97648621,116.30276489,Haidian

IHAIDIAN6,39.95755386,116.34825134,Haidian Qu

IHAIDIAN7,39.94497299,116.30096436,Haidian Qu

ISHUNYIQ5,40.07844925,116.51275635,Shunyi Qu

ICHANGPI3,40.09079742,116.33363342,Changping Qu

ITONGZHO3,39.91837311,116.6907959,Tongzhou Qu

ISHUNYIQ3,40.08337784,116.5056839,Shunyi Qu

ICHAOYAN28,40.0286293,116.51416016,Chaoyang Qu

I11DONGX2,40.03866959,116.39524841,Dongxiaokou

I11HOUSH2,40.09382629,116.54441071,Houshayu

ISHUNYIQ8,40.06755447,116.53660583,Shunyi Qu

IBEIJING17,39.98901367,116.48651123,Beijing

IBEIJING250,39.91112518,116.25349426,Beijing

伦敦站点：

ILONDON1124,51.47687912,0.068984,London

ILONDON1169,51.47953796,0.1002982,London

ILONDONM4,51.4369812,0.0511718,Mottingham

IDARTFOR12,51.42866898,0.17570126,Dartford

ICHISLEH2,51.42477798,0.065824,Chislehurst

IGLAUPMI3,51.54998016,0.25253499,Upminster

IKENTERI2,51.47380066,0.1617,Erith

IILFORD2,51.55250549,0.083651,Ilford

IBEXLEYH3,51.46260452,0.117337,Bexleyheath

ILONDON234,51.46895218,0.046274,London

IWELLING234,51.46497726,0.11156,Welling

IBEXLEYH6,51.46427536,0.146369,Bexleyheath

IGLABECO2,51.53381348,0.117337,Becontree

ILONDON726,51.45943832,0.19951232,London

IBEXLEY13,51.44404221,0.14159916,Bexley

IBEXLEY16,51.4752388,0.17316701,Bexley

IBEXLEY14,51.4461937,0.13829599,Bexley

IGLAWELL2,51.45271301,0.088085,Welling

IENGLAND346,51.47603989,0.14876094,Erith

IHAVERIN3,51.55194473,0.19453192,Havering

ILONDON522,51.56309891,0.17084134,London

IRAINHAM5,51.53635025,0.200808,Rainham

IRAINHAM7,51.53620529,0.20069073,Rainham

IRAINHAM8,51.5499649,0.20133001,Rainham

IBEXLEYH10,51.46513748,0.147806,Bexleyheath

IGLACHAR5,51.47551727,0.034443,Charlton

IROMFORD7,51.57570267,0.126587,Romford

IKENTBEX3,51.45648193,0.15228479,Bexleyheath

IKENTBEX2,51.43861008,0.16249999,Bexley

IKENTBEX4,51.46320724,0.15664101,Bexleyheath

IHORNCHU10,51.56059647,0.19448701,Hornchurch

IROMFORD17,51.5711441,0.17890701,Romford

ILONDON172,51.47330093,0.04749,London

IWELLING170,51.46265411,0.11737342,Welling

IGLAUPMI2,51.55229568,0.25212601,Upminster

IROMFORD13,51.58579254,0.198581,Romford

IBEXLEY18,51.43543625,0.130968,Bexley

IROMFORD10,51.59189987,0.190137,Romford

IGLAYIEW96,51.48517609,0.030198,Yiewsley

IGLACRAY4,51.44298172,0.179445,Crayford

ILONDON610,51.58948135,0.17981441,London

IDAGENHA3,51.53533936,0.129619,Dagenham

IGLACRAY3,51.44725418,0.19536699,Crayford

ILONDON265,51.45254898,0.058577,London

ILONDON633,51.47533035,0.03219949,London

IENGLAND869,51.43728638,0.21009997,Dartford

IGLARAIN2,51.53604126,0.19437499,Rainham

IHORNCHU5,51.58985901,0.232631,Hornchurch

ILONDON557,51.46236801,0.09156118,London

ISIDCUP4,51.42630005,0.1024,Sidcup

IGLABEXL3,51.46281815,0.132551,Bexleyheath

ILONDON552,51.55987167,0.25750893,London

IBARKING2,51.52777863,0.119927,Barking

ILONDON1023,51.47974777,0.030706,London

ILONDON559,51.46854782,0.10738425,London

IHORNCHU7,51.54951859,0.21128133,Hornchurch

ISIDCUP2,51.4402771,0.098433,Sidcup