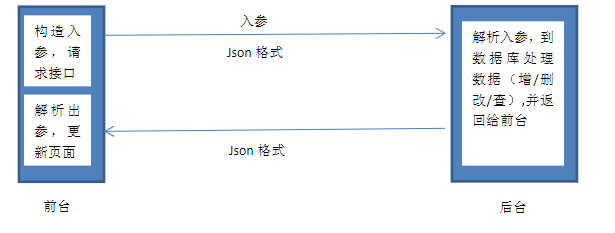
一、什么是接口文档  
**1、接口文档：**  
前端工程师和后端工程师按照统一的标准来进行数据交互。把这个统一的标准书面化就是接口文档。（这个项目，前端就是空气质量大屏，后端就是服务器后台）  
**2.一个接口相关要素：**  
1）请求方式：服务器后台提供的某个接口是什么类型的请求方式。  
这个项目是 http 接口，http 请求方式，包括 get 和 post。（需要你们自己去百度了解下）  
2）后台提供的访问地址  
3）前台进行请求的参数（入参）  
传输格式（后台用什么格式进行解析数据），这个项目为 json 格式  
4）后台进行响应的参数（出参）  
传输格式（前台用什么格式进行解析数据），这个项目为 json 格式



二、接口

# 获得最近**采集时间**的某个城市AQI

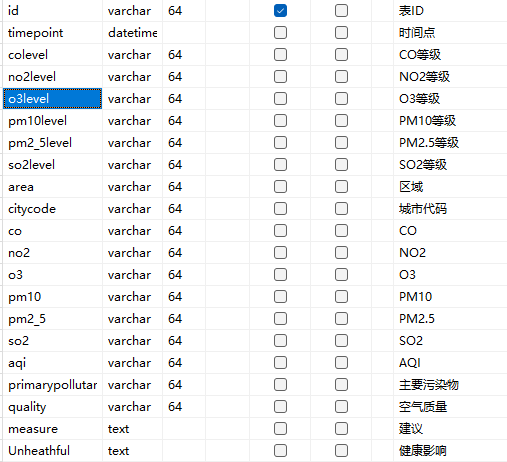
（1）地址：http://127.0.0.1:82/Aqi/getCityAQIList

（2）类型：post

（3）输入：

|  |  |  |
| --- | --- | --- |
| 字段名 | 字段含义 | 是否必须 |
| code | 城市编号 | 否，不传此参数返回所有城市的数据 |
| type | 按哪个污染物排序,取值范围为【aqi，co，no2，o3，pm10，pm2\_5,so2】 | 是 |
| px | Asc：按aqi升序（空气质量好的排前边）  Desc：按aqi降序 | 是 |

1. **输出**



1. 测试数据：

|  |  |
| --- | --- |
| {      "type":"aqi",      "px": "Desc"  } | {      "msg": "请求成功！",      "code": 1,      "data": [          {              "searchValue": **null**,              "createBy": **null**,              "createTime": "2024-03-22 13:51:33",              "updateBy": **null**,              "updateTime": **null**,              "remark": **null**,              "params": {},              "id": "4028eb818e642e61018e64b6eba80151",              "timepoint": "2024-03-22 13:00:00",              "colevel": "1",              "no2level": "1",              "o3level": "1",              "pm10level": "1",              "pm25level": "1",              "so2level": "1",              "area": "北京市",              "citycode": "110000",              "co": "0.2",              "no2": "10",              "o3": "95",              "pm10": "40",              "pm25": "18",              "so2": "2",              "aqi": "40",              "primarypollutant": "—",              "quality": "优",              "measure": "各类人群可正常活动",              "unheathful": "空气质量令人满意，基本无空气污染",              "flag": **null**          }      ]  } |

# 获得最近**采集时间的每种空气等级的城市个数和百分比**

（1）地址：http://127.0.0.1:8082/Aqi/queryAQILevelNum

（2）类型：get

（3）输入：无

（4）输出

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| quality | 空气质量等级 PM2.5 |
| num | 此等级城市总个数 |
| percentage | 此等级城市百分比（此等级城市总个数/总城市个数） |

1. 示例

|  |
| --- |
| {"msg":"请求成功！","code":1,"data":[{"quality":"中度污染","num":"2","percentage":"0.59"},{"quality":"优","num":"107","percentage":"31.75"},{"quality":"良","num":"179","percentage":"53.12"},{"quality":"轻度污染","num":"48","percentage":"14.24"},{"quality":"重度污染","num":"1","percentage":"0.30"}]} |

# **获得**最近**采集时间的全国平均空气质量（各城市的平均值）**

（1）地址：http:127.0.0.1:8082/Aqi/queryQIAverage

（2）类型：get

（3）输入：无

（4）输出：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| aqi | 空气质量平均值 |
| co | CO平均值 |
| no2 | NO2平均值 |
| o3 | O3平均值 |
| pm10 | PM10平均值 |
| pm2\_5 | PM2\_5平均值 |
| so2 | SO2平均值 |

（5）示例：

|  |
| --- |
| {"msg":"请求成功！","code":1,"data":{"no2":"34.75","so2":"9.3","aqi":"69.17","co":"0.71","o3":"68.71","pm10":"87.52","pm2\_5":"40.65"}} |

# **获得**最近**采集时间的各省的平均空气质量**

(1）地址：http://localhost:8082/Aqi/getProvinceAQIList

（2）类型：post

（3）输入：

|  |  |  |
| --- | --- | --- |
| 字段名 | 字段含义 | 是否必须 |
| code | 省编号 | 否，不传此参数返回所有省 |
| type | 按哪个污染物排序,取值范围为【aqi，co，no2，o3，pm10，pm2\_5,so2】 | 是 |
| px | Asc：按aqi升序（空气质量好的排前边）  Desc：按aqi降序 | 是 |

1. **输出**

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| provinceId |  |
| provinceName |  |
| aqi | 空气质量平均值 |
| co | CO平均值 |
| no2 | NO2平均值 |
| o3 | O3平均值 |
| pm10 | PM10平均值 |
| pm2\_5 | PM2\_5平均值 |
| so2 | SO2平均值 |

1. 测试数据：

|  |  |
| --- | --- |
| {      "type":"aqi",      "px": "Asc"  } | {      "msg": "请求成功！",      "code": 1,      "data": [          {              "provinceId": "18",              "provinceName": "湖南",              "aqi": "21.21",              "co": "0.74",              "no2": "9.64",              "o3": "61.0",              "pm10": "13.0",              "pm2\_5": "9.57",              "so2": "5.21"          },          {              "provinceId": "22",              "provinceName": "重庆",              "aqi": "26.0",              "co": "0.5",              "no2": "14.0",              "o3": "83.0",              "pm10": "24.0",              "pm2\_5": "15.0",              "so2": "7.0"          },          {              "provinceId": "8",              "provinceName": "黑龙江",              "aqi": "29.15",              "co": "0.36",              "no2": "9.15",              "o3": "86.08",              "pm10": "24.23",              "pm2\_5": "15.0",              "so2": "6.92"          },          {              "provinceId": "23",              "provinceName": "四川",              "aqi": "29.52",              "co": "0.46",              "no2": "12.43",              "o3": "89.33",              "pm10": "21.19",              "pm2\_5": "10.14",              "so2": "7.95"          },          {              "provinceId": "26",              "provinceName": "西藏",              "aqi": "29.86",              "co": "0.43",              "no2": "8.86",              "o3": "85.57",              "pm10": "20.57",              "pm2\_5": "7.29",              "so2": "6.14"          },          {              "provinceId": "24",              "provinceName": "贵州",              "aqi": "31.44",              "co": "0.4",              "no2": "7.0",              "o3": "99.56",              "pm10": "18.44",              "pm2\_5": "9.11",              "so2": "4.78"          },          {              "provinceId": "17",              "provinceName": "湖北",              "aqi": "32.23",              "co": "0.67",              "no2": "13.31",              "o3": "66.77",              "pm10": "29.62",              "pm2\_5": "21.08",              "so2": "7.0"          },          {              "provinceId": "19",              "provinceName": "广东",              "aqi": "34.86",              "co": "0.54",              "no2": "12.0",              "o3": "58.1",              "pm10": "34.52",              "pm2\_5": "19.81",              "so2": "7.0"          },          {              "provinceId": "21",              "provinceName": "海南",              "aqi": "35.0",              "co": "0.47",              "no2": "4.0",              "o3": "64.33",              "pm10": "32.67",              "pm2\_5": "22.33",              "so2": "6.67"          },          {              "provinceId": "14",              "provinceName": "江西",              "aqi": "37.0",              "co": "0.64",              "no2": "11.55",              "o3": "61.55",              "pm10": "37.55",              "pm2\_5": "17.55",              "so2": "7.91"          },          {              "provinceId": "12",              "provinceName": "安徽",              "aqi": "37.25",              "co": "0.61",              "no2": "14.88",              "o3": "62.38",              "pm10": "34.5",              "pm2\_5": "23.88",              "so2": "4.62"          },          {              "provinceId": "13",              "provinceName": "福建",              "aqi": "37.44",              "co": "0.57",              "no2": "11.22",              "o3": "78.67",              "pm10": "38.44",              "pm2\_5": "20.67",              "so2": "6.67"          },          {              "provinceId": "25",              "provinceName": "云南",              "aqi": "39.88",              "co": "0.51",              "no2": "10.81",              "o3": "104.19",              "pm10": "33.19",              "pm2\_5": "20.81",              "so2": "8.94"          },          {              "provinceId": "15",              "provinceName": "山东",              "aqi": "41.06",              "co": "0.61",              "no2": "19.88",              "o3": "65.38",              "pm10": "37.19",              "pm2\_5": "26.88",              "so2": "5.5"          },          {              "provinceId": "7",              "provinceName": "吉林",              "aqi": "41.22",              "co": "0.49",              "no2": "14.22",              "o3": "93.22",              "pm10": "38.44",              "pm2\_5": "21.22",              "so2": "9.89"          },          {              "provinceId": "27",              "provinceName": "陕西",              "aqi": "41.8",              "co": "0.65",              "no2": "16.8",              "o3": "70.3",              "pm10": "39.6",              "pm2\_5": "26.8",              "so2": "7.0"          },          {              "provinceId": "29",              "provinceName": "青海",              "aqi": "42.25",              "co": "0.6",              "no2": "10.12",              "o3": "95.75",              "pm10": "30.75",              "pm2\_5": "22.38",              "so2": "14.25"          },          {              "provinceId": "10",              "provinceName": "江苏",              "aqi": "44.31",              "co": "0.77",              "no2": "20.23",              "o3": "59.46",              "pm10": "38.85",              "pm2\_5": "28.31",              "so2": "5.31"          },          {              "provinceId": "16",              "provinceName": "河南",              "aqi": "45.0",              "co": "0.61",              "no2": "11.12",              "o3": "80.71",              "pm10": "35.35",              "pm2\_5": "30.82",              "so2": "4.88"          },          {              "provinceId": "28",              "provinceName": "甘肃",              "aqi": "47.57",              "co": "0.61",              "no2": "15.86",              "o3": "84.5",              "pm10": "47.71",              "pm2\_5": "22.5",              "so2": "14.79"          },          {              "provinceId": "20",              "provinceName": "广西",              "aqi": "50.57",              "co": "0.67",              "no2": "11.93",              "o3": "63.29",              "pm10": "52.86",              "pm2\_5": "32.0",              "so2": "7.57"          },          {              "provinceId": "3",              "provinceName": "河北",              "aqi": "51.0",              "co": "0.59",              "no2": "14.27",              "o3": "76.55",              "pm10": "49.91",              "pm2\_5": "34.18",              "so2": "4.36"          },          {              "provinceId": "4",              "provinceName": "山西",              "aqi": "52.45",              "co": "0.72",              "no2": "17.82",              "o3": "83.73",              "pm10": "47.09",              "pm2\_5": "36.82",              "so2": "8.64"          },          {              "provinceId": "31",              "provinceName": "新疆",              "aqi": "52.5",              "co": "0.47",              "no2": "13.81",              "o3": "67.94",              "pm10": "62.81",              "pm2\_5": "22.19",              "so2": "7.81"          },          {              "provinceId": "5",              "provinceName": "内蒙古",              "aqi": "52.58",              "co": "0.59",              "no2": "16.25",              "o3": "84.42",              "pm10": "54.25",              "pm2\_5": "30.92",              "so2": "12.0"          },          {              "provinceId": "6",              "provinceName": "辽宁",              "aqi": "53.57",              "co": "0.7",              "no2": "21.5",              "o3": "82.21",              "pm10": "53.79",              "pm2\_5": "33.93",              "so2": "11.64"          },          {              "provinceId": "11",              "provinceName": "浙江",              "aqi": "58.09",              "co": "0.75",              "no2": "28.55",              "o3": "71.64",              "pm10": "58.91",              "pm2\_5": "37.91",              "so2": "7.82"          },          {              "provinceId": "30",              "provinceName": "宁夏",              "aqi": "67.2",              "co": "0.7",              "no2": "23.0",              "o3": "74.0",              "pm10": "75.8",              "pm2\_5": "39.2",              "so2": "17.6"          },          {              "provinceId": "1",              "provinceName": "北京",              "aqi": "74.0",              "co": "0.6",              "no2": "19.0",              "o3": "71.0",              "pm10": "63.0",              "pm2\_5": "54.0",              "so2": "2.0"          },          {              "provinceId": "9",              "provinceName": "上海",              "aqi": "115.0",              "co": "0.9",              "no2": "44.0",              "o3": "68.0",              "pm10": "88.0",              "pm2\_5": "87.0",              "so2": "7.0"          }      ]  } |

# **获得所有省**

（1）地址：http:127.0.0.1:8082/Aqi/getAllProvince

（2）类型：get

（3）输入：无

（4）输出：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| provinceName | 省名称 |
| provinceCode | 省编码 |

（5）示例：

|  |
| --- |
| {"msg":"请求成功！","code":1,"data":[{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"1","provinceCode":"110000","provinceName":"北京","provinceJc":"BJ","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"2","provinceCode":"120000","provinceName":"天津","provinceJc":"TJ","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"3","provinceCode":"130000","provinceName":"河北","provinceJc":"HB","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"4","provinceCode":"140000","provinceName":"山西","provinceJc":"SX","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"5","provinceCode":"150000","provinceName":"内蒙古","provinceJc":"NMG","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"6","provinceCode":"210000","provinceName":"辽宁","provinceJc":"LN","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"7","provinceCode":"220000","provinceName":"吉林","provinceJc":"JL","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"8","provinceCode":"230000","provinceName":"黑龙江","provinceJc":"HLJ","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"9","provinceCode":"310000","provinceName":"上海","provinceJc":"SH","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"10","provinceCode":"320000","provinceName":"江苏","provinceJc":"JS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"11","provinceCode":"330000","provinceName":"浙江","provinceJc":"ZJ","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"12","provinceCode":"340000","provinceName":"安徽","provinceJc":"AH","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"13","provinceCode":"350000","provinceName":"福建","provinceJc":"FJ","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"14","provinceCode":"360000","provinceName":"江西","provinceJc":"JX","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"15","provinceCode":"370000","provinceName":"山东","provinceJc":"SD","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"16","provinceCode":"410000","provinceName":"河南","provinceJc":"HN","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"17","provinceCode":"420000","provinceName":"湖北","provinceJc":"HB","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"18","provinceCode":"430000","provinceName":"湖南","provinceJc":"HN","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"19","provinceCode":"440000","provinceName":"广东","provinceJc":"GD","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"20","provinceCode":"450000","provinceName":"广西","provinceJc":"GX","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"21","provinceCode":"460000","provinceName":"海南","provinceJc":"HN","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"22","provinceCode":"500000","provinceName":"重庆","provinceJc":"ZQ","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"23","provinceCode":"510000","provinceName":"四川","provinceJc":"SC","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"24","provinceCode":"520000","provinceName":"贵州","provinceJc":"GZ","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"25","provinceCode":"530000","provinceName":"云南","provinceJc":"YN","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"26","provinceCode":"540000","provinceName":"西藏","provinceJc":"XC","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"27","provinceCode":"610000","provinceName":"陕西","provinceJc":"SX","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"28","provinceCode":"620000","provinceName":"甘肃","provinceJc":"GS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"29","provinceCode":"630000","provinceName":"青海","provinceJc":"QH","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"30","provinceCode":"640000","provinceName":"宁夏","provinceJc":"NX","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"31","provinceCode":"650000","provinceName":"新疆","provinceJc":"XJ","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"32","provinceCode":"710000","provinceName":"台湾","provinceJc":"TW","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"33","provinceCode":"810000","provinceName":"香港","provinceJc":"XG","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"34","provinceCode":"820000","provinceName":"澳门","provinceJc":"AM","flag":null}]} |

# **通过省编号查询下属所有城市**

（1）地址：http:127.0.0.1:8082/Aqi/getAllCityByProvince

（2）类型：get

（3）输入：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| code | 省编码 |

（4）输出：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| cityCode | 城市编码 |
| cityName | 城市名称 |

（5）示例：

|  |
| --- |
| http://127.0.0.1:8082/Aqi/getAllCityByProvince?code=210000 |
| {"msg":"请求成功！","code":1,"data":[{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"32","cityCode":"210100","cityName":"沈阳市","provinceId":"210000","provinceName":"辽宁","cityJc":"SYS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"33","cityCode":"210200","cityName":"大连市","provinceId":"210000","provinceName":"辽宁","cityJc":"DLS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"34","cityCode":"210300","cityName":"鞍山市","provinceId":"210000","provinceName":"辽宁","cityJc":"ASS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"35","cityCode":"210400","cityName":"抚顺市","provinceId":"210000","provinceName":"辽宁","cityJc":"FSS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"36","cityCode":"210500","cityName":"本溪市","provinceId":"210000","provinceName":"辽宁","cityJc":"BXS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"37","cityCode":"210600","cityName":"丹东市","provinceId":"210000","provinceName":"辽宁","cityJc":"DDS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"38","cityCode":"210700","cityName":"锦州市","provinceId":"210000","provinceName":"辽宁","cityJc":"JZS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"39","cityCode":"210800","cityName":"营口市","provinceId":"210000","provinceName":"辽宁","cityJc":"YKS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"40","cityCode":"210900","cityName":"阜新市","provinceId":"210000","provinceName":"辽宁","cityJc":"FXS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"41","cityCode":"211000","cityName":"辽阳市","provinceId":"210000","provinceName":"辽宁","cityJc":"LYS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"42","cityCode":"211100","cityName":"盘锦市","provinceId":"210000","provinceName":"辽宁","cityJc":"PJS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"43","cityCode":"211200","cityName":"铁岭市","provinceId":"210000","provinceName":"辽宁","cityJc":"TLS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"44","cityCode":"211300","cityName":"朝阳市","provinceId":"210000","provinceName":"辽宁","cityJc":"CYS","flag":null},{"searchValue":null,"createBy":null,"createTime":null,"updateBy":null,"updateTime":null,"remark":null,"params":{},"id":"45","cityCode":"211400","cityName":"葫芦岛市","provinceId":"210000","provinceName":"辽宁","cityJc":"HLDS","flag":null}]} |

# **获得某个城市最近7天的空气质量数据**

（1）地址：http:127.0.0.1:8082/Aqi/queryDateLast7ByCity

（2）类型：get

（3）输入：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| id | 城市编码 |

（4）输出：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| nowDay | 空气质量平均值 |
| coAverage | CO平均值 |
| no2Average | NO2平均值 |
| o3Average | O3平均值 |
| pm10Average | PM10平均值 |
| pm2\_5Average | PM2\_5平均值 |
| so2Average | SO2平均值 |
| aqiAverage | Aqi平均值 |

（5）示例：

|  |
| --- |
| http://127.0.0.1:8082/Aqi/queryDateLast7ByCity?id=“210100” |
| {  "msg": "请求成功！",  "code": 1,  "data": [  {  "nowDay": "2024-03-20",  "coAverage": "0.6499999999999999",  "no2Average": "36.0",  "o3Average": "54.0",  "pm10Average": "76.0",  "pm2\_5Average": "50.0",  "so2Average": "13.5",  "aqiAverage": "69.5"  },  {  "nowDay": "2024-03-21",  "coAverage": "1.15",  "no2Average": "36.0",  "o3Average": "71.5",  "pm10Average": "77.5",  "pm2\_5Average": "52.0",  "so2Average": "17.0",  "aqiAverage": "74.5"  },  {  "nowDay": "2024-03-22",  "coAverage": "1.0",  "no2Average": "52.0",  "o3Average": "31.0",  "pm10Average": "42.0",  "pm2\_5Average": "30.0",  "so2Average": "14.0",  "aqiAverage": "43.0"  }  ]  } |

# **通过城市编号，获得最近采集时间的各监测点空气质量数据**

（1）地址：http://127.0.0.1:8082/Aqi/queryStationAQIByCity

（2）类型：get

（3）输入：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| code | 城市编号 |

1. 输出：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| stationNum | 站点个数 |
| list | 数组，各站点空气质量数据 |
| wrSationNum | 污染站点个数 |
| cityAqi | 当前城市空气质量明细 |

1. 示例数据

|  |
| --- |
| http://127.0.0.1:8082/Aqi/queryStationAQIByCity?code=210100 |

# **通过省编号，获得最近采集时间的城市空气质量数据**

（1）地址：http://127.0.0.1:8082/Aqi/getCityAQIListByProvince

（2）类型：post

（3）输入：

|  |  |  |
| --- | --- | --- |
| 字段名 | 字段含义 | 是否必须 |
| code | 省编号 |  |
| type | 按哪个污染物排序,取值范围为【aqi，co，no2，o3，pm10，pm2\_5,so2】 | 是 |
| px | Asc：按aqi升序（空气质量好的排前边）  Desc：按aqi降序 | 是 |

（4）输出：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| cityNum | 城市个数 |
| nwrCityNum | 无污染城市个数 |
| aqi | 空气质量平均值 |
| co | CO平均值 |
| no2 | NO2平均值 |
| o3 | O3平均值 |
| pm10 | PM10平均值 |
| pm2\_5 | PM2\_5平均值 |
| so2 | SO2平均值 |
| list | 各城市的空气质量数据 |

1. 示例数据

|  |
| --- |
| {      "code":"210000",      "type":"aqi",      "px": "Desc"  } |

# **通过城市编号，获得该城市空气质量预测数据**

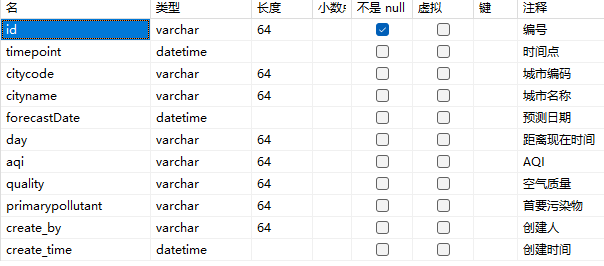
（1）地址：http:127.0.0.1:8082/Aqi/queryForecastAQIByCity

（2）类型：get

（3）输入：

|  |  |
| --- | --- |
| 字段名 | 字段含义 |
| code | 城市编码 |

1. 输出：



（5）示例：

|  |
| --- |
| http://127.0.0.1:8081/Aqi/queryForecastAQIByCity?code=210100 |

|  |  |  |
| --- | --- | --- |
| PM2.5  PM10 | μg/m³微克/立方米 | 优：0~35μg/m³  良：35~75μg/m³  轻度污染：75~115μg/m³  中度污染：115~150μg/m³  重度污染：150~250μg/m³  严重污染：大于250μg/m³ |
| CO | mg/m³毫克/立方米 |  |
| NO2 | μg/m³微克/立方米 |  |
| O3 | μg/m³微克/立方米 |  |
| SO2 | μg/m³微克/立方米 |  |
|  |  |  |