

# Explore California (Weather)

## Description

This API will give you a fake 5 day weather forecast for over 7000 cities around the world. You can search by city or coordinates.

This API is approved for use in LinkedIn Learning GitHub repositories.

## WEATHER - Base URL

<http://explorecalifornia.org/api/weather/>

### Notes:

- You must provide parameters for the API to work. An 'empty' call will throw a warning.
- The results are cached by city and season therefore you will always get the same temperature for a given city and given time of the year.

## Parameters

Parameter name	Possible Values
city	Name of a city
lat	Search coordinate latitude value
lng	Search coordinate longitude value
radius	Radius starting from central coordinate
qty	Any integer value (1, 2, 3...)
unit	F for Fahrenheit (default) C for Celcius

## Example Usage & Results

Get weather for a city which name contains "mia", limiting results to 3 towns

<http://explorecalifornia.org/api/weather/city/mia/qty/3>

or

<http://explorecalifornia.org/api/weather.php?city=mia&qty=3>

```
[
  {
    "id": "2015",
    "name": "Mianyang",
    "name_ascii": "Mianyang",
    "lat": "31.46997703",
    "lng": "104.7699768",
    "population": "830068",
    "country_id": "40",
    "province": "Sichuan",
    "country_name": "China",
    "unit": "F",
    "season": "spring",
    "forecast": [
      {
        "date": "04/14/2017",
        "temp_min": 58.442,
        "temp_max": 58.514,
        "season_min": 57.65,
        "season_max": 78.35,
        "condition_name": "sun",
        "condition_desc": "Blue skies all day long!",
        "condition_video":
"http://explorecalifornia.org/api/media/sun_45448.mp4",
        "condition_icon":
"http://explorecalifornia.org/api/media/sun_16240.png"
      },
      {
        "date": "04/15/2017",
        "temp_min": 59.882,
        "temp_max": 70.952,
        "season_min": 57.65,
        "season_max": 78.35,
        "condition_name": "storm",
        "condition_desc": "Watch out for storms!",
        "condition_video":
"http://explorecalifornia.org/api/media/storm_190935.mp4",
        "condition_icon":
"http://explorecalifornia.org/api/media/storm_16240.png"
      },
      ...
    ]
  }
]
```

```

    },
    {
      "id": "3774",
      "name": "Miandrivazo",
      "name_ascii": "Miandrivazo",
      "lat": "-19.51618732",
      "lng": "45.46661983",
      "population": "11894",
      "country_id": "117",
      "province": "Toliary",
      "country_name": "Madagascar",
      "unit": "F",
      "season": "fall",
      "forecast":
...
    },
    {
      "id": "3981",
      "name": "Miahuatlan",
      "name_ascii": "Miahuatlan",
      "lat": "16.32999676",
      "lng": "-96.60000574",
      "population": "16662",
      "country_id": "124",
      "province": "Oaxaca",
      "country_name": "Mexico",
      "unit": "F",
      "season": "spring",
      "forecast":
...
    }
  ]

```

Get weather for the city closest to the coordinates 40.0, -105.0, limiting to 1 result

<http://explorecalifornia.org/api/weather/lat/40/lng/-105/qty/1>

or

<http://explorecalifornia.org/api/weather.php?lat=40&lng=-105&qty=1>

```

[
  {

```

```
"id": "6487",
"name": "Boulder",
"name_ascii": "Boulder",
"lat": "40.03844627",
"lng": "-105.246093",
"population": "106898",
"country_id": "206",
"province": "Colorado",
"country_name": "United States of America",
"distance": "13.29067934194029",
"unit": "F",
"season": "winter",
"forecast": [
  {
    "date": "03\13\2017",
    "temp_min": 10.81,
    "temp_max": 15.31,
    "season_min": 8.5,
    "season_max": 20,
    "condition_name": "storm",
    "condition_desc": "Watch out for storms!",
    "condition_video":
"http:\\\\exploreocalifornia.org\\api_media\\storm_190935.mov",
    "condition_icon":
"http:\\\\exploreocalifornia.org\\api_media\\storm_16240.png"
  },
  {
    "date": "03\14\2017",
    "temp_min": 12.72,
    "temp_max": 17.06,
    "season_min": 8.5,
    "season_max": 20,
    "condition_name": "storm",
    "condition_desc": "Watch out for storms!",
    "condition_video":
"http:\\\\exploreocalifornia.org\\api_media\\storm_190935.mov",
    "condition_icon":
"http:\\\\exploreocalifornia.org\\api_media\\storm_16240.png"
  },
  {
    "date": "03\15\2017",
    "temp_min": 9.03,
```

```

        "temp_max": 11.34,
        "season_min": 8.5,
        "season_max": 20,
        "condition_name": "snow",
        "condition_desc": "It will snow!",
        "condition_video":
"http://exploreocalifornia.org/api_media/snow_1033097.mov",
        "condition_icon":
"http://exploreocalifornia.org/api_media/snow_16240.png"
    },
    {
        "date": "03/16/2017",
        "temp_min": 10.02,
        "temp_max": 11.4,
        "season_min": 8.5,
        "season_max": 20,
        "condition_name": "snow",
        "condition_desc": "It will snow!",
        "condition_video":
"http://exploreocalifornia.org/api_media/snow_1033097.mov",
        "condition_icon":
"http://exploreocalifornia.org/api_media/snow_16240.png"
    },
    {
        "date": "03/17/2017",
        "temp_min": 10.16,
        "temp_max": 18.23,
        "season_min": 8.5,
        "season_max": 20,
        "condition_name": "cloudy",
        "condition_desc": "Partially cloudy day",
        "condition_video":
"http://exploreocalifornia.org/api_media/cloudy_4281614.mov",
        "condition_icon":
"http://exploreocalifornia.org/api_media/cloudy_16240.png"
    },
    {
        "date": "03/18/2017",
        "temp_min": 8.62,
        "temp_max": 8.77,
        "season_min": 8.5,
        "season_max": 20,

```

```
        "condition_name": "snow",
        "condition_desc": "It will snow!",
        "condition_video":
"http://exploreocalifornia.org/api_media/snow_1033097.mov",
        "condition_icon":
"http://exploreocalifornia.org/api_media/snow_16240.png"
    },
    {
        "date": "03/19/2017",
        "temp_min": 10.06,
        "temp_max": 14.21,
        "season_min": 8.5,
        "season_max": 20,
        "condition_name": "cloudy",
        "condition_desc": "Partially cloudy day",
        "condition_video":
"http://exploreocalifornia.org/api_media/cloudy_4281614.mov",
        "condition_icon":
"http://exploreocalifornia.org/api_media/cloudy_16240.png"
    },
    {
        "date": "03/20/2017",
        "temp_min": 13.9,
        "temp_max": 16.59,
        "season_min": 8.5,
        "season_max": 20,
        "condition_name": "snow",
        "condition_desc": "It will snow!",
        "condition_video":
"http://exploreocalifornia.org/api_media/snow_1033097.mov",
        "condition_icon":
"http://exploreocalifornia.org/api_media/snow_16240.png"
    },
    {
        "date": "03/21/2017",
        "temp_min": 13.96,
        "temp_max": 16.07,
        "season_min": 8.5,
        "season_max": 20,
        "condition_name": "cloudy",
        "condition_desc": "Partially cloudy day",
```

```

        "condition_video":
"http:\\\\explorecalifornia.org\\api_media\\cloudy_4281614.mov",
        "condition_icon":
"http:\\\\explorecalifornia.org\\api_media\\cloudy_16240.png"
    },
    {
        "date": "03\\/22\\/2017",
        "temp_min": 11.41,
        "temp_max": 17.29,
        "season_min": 8.5,
        "season_max": 20,
        "condition_name": "snow",
        "condition_desc": "It will snow!",
        "condition_video":
"http:\\\\explorecalifornia.org\\api_media\\snow_1033097.mov",
        "condition_icon":
"http:\\\\explorecalifornia.org\\api_media\\snow_16240.png"
    },
    {
        "date": "03\\/23\\/2017",
        "temp_min": 10.71,
        "temp_max": 14.07,
        "season_min": 8.5,
        "season_max": 20,
        "condition_name": "snow",
        "condition_desc": "It will snow!",
        "condition_video":
"http:\\\\explorecalifornia.org\\api_media\\snow_1033097.mov",
        "condition_icon":
"http:\\\\explorecalifornia.org\\api_media\\snow_16240.png"
    }
]
}
]

```

Get weather for 2 cities within 130 miles from the coordinates 40.0, -105.0

<http://explorecalifornia.org/api/weather/lat/40/lng/-105/radius/130/qty/2>

or

<http://explorecalifornia.org/api/weather.php?lat=40&lng=-105&radius=130&qty=2>

```
[
  {
    "id": "6487",
    "name": "Boulder",
    "name_ascii": "Boulder",
    "lat": "40.03844627",
    "lng": "-105.246093",
    "population": "106898",
    "country_id": "206",
    "province": "Colorado",
    "country_name": "United States of America",
    "distance": "13.29067934194029",
    "unit": "F",
    "season": "spring",
    "forecast": [
      {
        "date": "04/14/2017",
        "temp_min": 67.946,
        "temp_max": 74.516,
        "season_min": 57.65,
        "season_max": 78.35,
        "condition_name": "cloudy",
        "condition_desc": "Partially cloudy day",
        "condition_video":
"http://explorecalifornia.org/api/media/cloudy_45449.mp4",
        "condition_icon":
"http://explorecalifornia.org/api/media/cloudy_16240.png"
      },
      {
        "date": "04/15/2017",
        "temp_min": 59.684,
        "temp_max": 77.342,
        "season_min": 57.65,
        "season_max": 78.35,
        "condition_name": "cloudy",
        "condition_desc": "Partially cloudy day",
        "condition_video":
"http://explorecalifornia.org/api/media/cloudy_45449.mp4",
        "condition_icon":
"http://explorecalifornia.org/api/media/cloudy_16240.png"
      },
      {

```



```
    "date": "04/16/2017",
    "temp_min": 70.106,
    "temp_max": 71.636,
    "season_min": 57.65,
    "season_max": 78.35,
    "condition_name": "sun",
    "condition_desc": "Blue skies all day long!",
    "condition_video":
"http://explorecalifornia.org/api/media/sun_45448.mp4",
    "condition_icon":
"http://explorecalifornia.org/api/media/sun_16240.png"
  },
  {
    "date": "04/17/2017",
    "temp_min": 59.378,
    "temp_max": 72.176,
    "season_min": 57.65,
    "season_max": 78.35,
    "condition_name": "rain",
    "condition_desc": "Wet and rainy",
    "condition_video":
"http://explorecalifornia.org/api/media/rain_28580841.mp4",
    "condition_icon":
"http://explorecalifornia.org/api/media/rain_16240.png"
  },
  {
    "date": "04/18/2017",
    "temp_min": 58.154,
    "temp_max": 62.078,
    "season_min": 57.65,
    "season_max": 78.35,
    "condition_name": "cloudy",
    "condition_desc": "Partially cloudy day",
    "condition_video":
"http://explorecalifornia.org/api/media/cloudy_45449.mp4",
    "condition_icon":
"http://explorecalifornia.org/api/media/cloudy_16240.png"
  },
  {
    "date": "04/19/2017",
    "temp_min": 60.044,
    "temp_max": 65.678,
```

```
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "storm",  
    "condition_desc": "Watch out for storms!",  
    "condition_video":  
"http://explorecalifornia.org/api/media/storm_190935.mp4",  
    "condition_icon":  
"http://explorecalifornia.org/api/media/storm_16240.png"  
  },  
  {  
    "date": "04/20/2017",  
    "temp_min": 62.186,  
    "temp_max": 68.216,  
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "rain",  
    "condition_desc": "Wet and rainy",  
    "condition_video":  
"http://explorecalifornia.org/api/media/rain_28580841.mp4",  
    "condition_icon":  
"http://explorecalifornia.org/api/media/rain_16240.png"  
  },  
  {  
    "date": "04/21/2017",  
    "temp_min": 64.868,  
    "temp_max": 64.886,  
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "cloudy",  
    "condition_desc": "Partially cloudy day",  
    "condition_video":  
"http://explorecalifornia.org/api/media/cloudy_45449.mp4",  
    "condition_icon":  
"http://explorecalifornia.org/api/media/cloudy_16240.png"  
  },  
  {  
    "date": "04/22/2017",  
    "temp_min": 63.014,  
    "temp_max": 74.57,  
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "sun",
```

```

        "condition_desc": "Blue skies all day long!",
        "condition_video":
"http://explorecalifornia.org/api/media/sun_45448.mp4",
        "condition_icon":
"http://explorecalifornia.org/api/media/sun_16240.png"
    },
    {
        "date": "04/23/2017",
        "temp_min": 61.628,
        "temp_max": 65.264,
        "season_min": 57.65,
        "season_max": 78.35,
        "condition_name": "sun",
        "condition_desc": "Blue skies all day long!",
        "condition_video":
"http://explorecalifornia.org/api/media/sun_45448.mp4",
        "condition_icon":
"http://explorecalifornia.org/api/media/sun_16240.png"
    },
    {
        "date": "04/24/2017",
        "temp_min": 60.962,
        "temp_max": 73.22,
        "season_min": 57.65,
        "season_max": 78.35,
        "condition_name": "rain",
        "condition_desc": "Wet and rainy",
        "condition_video":
"http://explorecalifornia.org/api/media/rain_28580841.mp4",
        "condition_icon":
"http://explorecalifornia.org/api/media/rain_16240.png"
    }
]
},
{
    "id": "6490",
    "name": "Denver",
    "name_ascii": "Denver",
    "lat": "39.73918805",
    "lng": "-104.984016",
    "population": "1930800",
    "country_id": "206",

```

```
"province": "Colorado",
"country_name": "United States of America",
"distance": "18.041400842548125",
"unit": "F",
"season": "spring",
"forecast": [
  {
    "date": "04/14/2017",
    "temp_min": 61.088,
    "temp_max": 75.326,
    "season_min": 57.65,
    "season_max": 78.35,
    "condition_name": "storm",
    "condition_desc": "Watch out for storms!",
    "condition_video":
"http://explorecalifornia.org/api/media/storm_190935.mp4",
    "condition_icon":
"http://explorecalifornia.org/api/media/storm_16240.png"
  },
  {
    "date": "04/15/2017",
    "temp_min": 63.104,
    "temp_max": 67.172,
    "season_min": 57.65,
    "season_max": 78.35,
    "condition_name": "cloudy",
    "condition_desc": "Partially cloudy day",
    "condition_video":
"http://explorecalifornia.org/api/media/cloudy_45449.mp4",
    "condition_icon":
"http://explorecalifornia.org/api/media/cloudy_16240.png"
  },
  {
    "date": "04/16/2017",
    "temp_min": 59.126,
    "temp_max": 61.304,
    "season_min": 57.65,
    "season_max": 78.35,
    "condition_name": "sun",
    "condition_desc": "Blue skies all day long!",
    "condition_video":
"http://explorecalifornia.org/api/media/sun_45448.mp4",
```

```
    "condition_icon":  
    "http://explorecalifornia.org/api/media/sun_16240.png"  
  },  
  {  
    "date": "04/17/2017",  
    "temp_min": 71.834,  
    "temp_max": 77.864,  
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "cloudy",  
    "condition_desc": "Partially cloudy day",  
    "condition_video":  
    "http://explorecalifornia.org/api/media/cloudy_45449.mp4",  
    "condition_icon":  
    "http://explorecalifornia.org/api/media/cloudy_16240.png"  
  },  
  {  
    "date": "04/18/2017",  
    "temp_min": 66.524,  
    "temp_max": 66.812,  
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "rain",  
    "condition_desc": "Wet and rainy",  
    "condition_video":  
    "http://explorecalifornia.org/api/media/rain_28580841.mp4",  
    "condition_icon":  
    "http://explorecalifornia.org/api/media/rain_16240.png"  
  },  
  {  
    "date": "04/19/2017",  
    "temp_min": 57.884,  
    "temp_max": 58.874,  
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "sun",  
    "condition_desc": "Blue skies all day long!",  
    "condition_video":  
    "http://explorecalifornia.org/api/media/sun_45448.mp4",  
    "condition_icon":  
    "http://explorecalifornia.org/api/media/sun_16240.png"  
  },
```

```
{
  "date": "04/20/2017",
  "temp_min": 67.676,
  "temp_max": 77.36,
  "season_min": 57.65,
  "season_max": 78.35,
  "condition_name": "rain",
  "condition_desc": "Wet and rainy",
  "condition_video":
"http://explorecalifornia.org/api/media/rain_28580841.mp4",
  "condition_icon":
"http://explorecalifornia.org/api/media/rain_16240.png"
},
{
  "date": "04/21/2017",
  "temp_min": 63.716,
  "temp_max": 64.148,
  "season_min": 57.65,
  "season_max": 78.35,
  "condition_name": "cloudy",
  "condition_desc": "Partially cloudy day",
  "condition_video":
"http://explorecalifornia.org/api/media/cloudy_45449.mp4",
  "condition_icon":
"http://explorecalifornia.org/api/media/cloudy_16240.png"
},
{
  "date": "04/22/2017",
  "temp_min": 59.702,
  "temp_max": 70.448,
  "season_min": 57.65,
  "season_max": 78.35,
  "condition_name": "rain",
  "condition_desc": "Wet and rainy",
  "condition_video":
"http://explorecalifornia.org/api/media/rain_28580841.mp4",
  "condition_icon":
"http://explorecalifornia.org/api/media/rain_16240.png"
},
{
  "date": "04/23/2017",
  "temp_min": 57.704,
```

```
    "temp_max": 58.64,  
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "sun",  
    "condition_desc": "Blue skies all day long!",  
    "condition_video":  
"http://explorecalifornia.org/api/media/sun_45448.mp4",  
    "condition_icon":  
"http://explorecalifornia.org/api/media/sun_16240.png"  
  },  
  {  
    "date": "04/24/2017",  
    "temp_min": 59.324,  
    "temp_max": 61.88,  
    "season_min": 57.65,  
    "season_max": 78.35,  
    "condition_name": "storm",  
    "condition_desc": "Watch out for storms!",  
    "condition_video":  
"http://explorecalifornia.org/api/media/storm_190935.mp4",  
    "condition_icon":  
"http://explorecalifornia.org/api/media/storm_16240.png"  
  }  
]  
}
```