Webscraping

Basic html page

```
<!DOCTYPE html>
<html>
<head>
    <title>Web Page!</title>
    <style>
        body {background-color: powderblue;}
        h1   {color: blue;}
        p    {color: red;}
    </style>
    <link rel="stylesheet" href="styles.css">
    <script>
        document.getElementById("demo").innerHTML = "Hello JavaScript!";
    </script>
</head>
<body>
    <h1>A Very Bold Header</h1>
    <div style="background-color:lightblue">
        <p>This is a paragraph.</p>
    </div>
</body>
</html>
```

nyc weather history

http://w1.weather.gov/data/obhistory/KNYC.html
(http://w1.weather.gov/data/obhistory/KNYC.html)

In [1]:
```
knyc_link = 'http://w1.weather.gov/data/obhistory/KNYC.html'
```

In [2]:
```
import requests

knyc_page = requests.get(knyc_link)
knyc_page
```

Out[2]:
```
<Response [200]>
```

In [4]:
```
# need to parse some html!
from bs4 import BeautifulSoup
```

In [5]:
```
knyc_soup = BeautifulSoup(knyc_page.content)
```

In [6]:
```
# first 1000 characters more legibly
print(knyc_soup.prettify()[:1000])
```

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<html>
 <head>
  <meta content="Leon Minton" name="Author"/>
  <title>
   National Weather Service : Observed Weather for past 3 Days : New York Cit
y, Central Park
  </title>
  <link href="/images/weather/fcicons/main.css" rel="STYLESHEET" type="text/cs
s"/>
 </head>
 <body background="/images/weather/fcicons/gray_background.gif" bgcolor="#ffff
ff" leftmargin="0" marginheight="0" marginwidth="0" topmargin="0">
  <table background="/images/weather/fcicons/topbanner.jpg" border="0" cellpad
ding="0" cellspacing="0" width="670">
   <tr>
    <td align="right" height="19">
     <a href="http://weather.gov">
      <span class="nwslink">
       weather.gov
      </span>
     </a>
    </td>
   </tr>
  </table>
  <table border="0" cellpadding="0" cellspacing="0" width="670">
   <tr valign="top">
    <td rowspan="2">
     <a href="http://www.noaa.gov">
      <img alt="NOAA logo - Click to go to the NOAA homepage" border="0" heigh
t="78" s
```

In [7]:
```
# print the 4rd table in the page
print(knyc_soup.find_all('table')[3])
```

```
<table border="0" cellpadding="2" cellspacing="3" width="670"><tr align="cente
r" bgcolor="#b0c4de"><th rowspan="3" width="17">D<br/>a<br/>t<br/>e</th><th ro
wspan="3" width="32">Time<br/>(edt)</th>
<th rowspan="3" width="80">Wind<br/>(mph)</th><th rowspan="3" width="40">Vis.<
br/>(mi.)</th><th rowspan="3" width="80">Weather</th><th rowspan="3" width="6
5">Sky Cond.</th>
<th colspan="4">Temperature (ºF)</th><th rowspan="3" width="65">Relative<br/>H
umidity</th><th rowspan="3" width="80">Wind<br/>Chill<br/>(°F)</th><th rowspan
="3" width="80">Heat<br/>Index<br/>(°F)</th><th colspan="2">Pressure</th><th c
olspan="3">Precipitation (in.)</th></tr>
<tr align="center" bgcolor="#b0c4de"><th rowspan="2" width="45">Air</th><th ro
wspan="2" width="26">Dwpt</th><th colspan="2">6 hour</th>
<th rowspan="2" width="40">altimeter<br/>(in)</th><th rowspan="2" width="40">s
ea level<br/>(mb)</th><th rowspan="2" width="24">1 hr</th>
<th rowspan="2" width="24">3 hr</th><th rowspan="2" width="30">6 hr</th></tr>
<tr align="center" bgcolor="#b0c4de"><th width="26">Max.</th><th width="26">Mi
n.</th></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>04</td><td a
lign="right">15:51</td><td>W 14 G 37</td><td>10.00</td><td align="left">Overca
st</td><td>OVC080</td><td>60</td><td>35</td>
<td></td><td></td><td>39%</td><td>NA</td><td>NA</td><td>29.76</td><td>1006.7</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>04</td><td align="right">14:51</td><td>Vrbl 7 G 26</td><td>10.00</t
d><td align="left">Mostly Cloudy</td><td>BKN110</td><td>63</td><td>35</td>
<td></td><td></td><td>35%</td><td>NA</td><td>NA</td><td>29.74</td><td>1006.0</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>04</td><td align="right">13:51</td><td>Vrbl 5</td><td>10.00</td><td
align="left">Overcast</td><td>OVC090</td><td>66</td><td>36</td>
<td>75</td><td>64</td><td>33%</td><td>NA</td><td>NA</td><td>29.70</td><td>100
4.7</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" v
align="top"><td>04</td><td align="right">12:51</td><td>Vrbl 3</td><td>10.00</t
d><td align="left">Overcast</td><td>FEW080 SCT090 OVC110</td><td>70</td><td>36
</td>
<td></td><td></td><td>29%</td><td>NA</td><td>NA</td><td>29.67</td><td>1003.7</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
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="top"><td>04</td><td align="right">11:51</td><td>NA</td><td>10.00</td><td ali
gn="left">Mostly Cloudy</td><td>SCT080 BKN095</td><td>70</td><td>37</td>
<td></td><td></td><td>30%</td><td>NA</td><td>NA</td><td>29.68</td><td>1004.0</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>04</td><td align="right">10:51</td><td>Calm</td><td>10.00</td><td a
lign="left">Fair</td><td>CLR</td><td>68</td><td>37</td>
<td></td><td></td><td>32%</td><td>NA</td><td>NA</td><td>29.69</td><td>1004.5</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>04</td><td align="right">09:51</td><td>W 7</td><td>10.00</td><td al
ign="left">Fair</td><td>CLR</td><td>67</td><td>40</td>
<td></td><td></td><td>37%</td><td>NA</td><td>NA</td><td>29.70</td><td>1004.7</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>04</td><td align="right">08:51</td><td>Calm</td><td>10.00</td><td a
lign="left">Mostly Cloudy</td><td>BKN100</td><td>64</td><td>37</td>
<td></td><td></td><td>37%</td><td>NA</td><td>NA</td><td>29.70</td><td>1004.9</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>04</td><td align="right">07:51</td><td>NE 5</td><td>10.00</td><td a
lign="left">Partly Cloudy</td><td>SCT100</td><td>64</td><td>39</td>
<td>69</td><td>63</td><td>40%</td><td>NA</td><td>NA</td><td>29.70</td><td>100
4.9</td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" v
align="top"><td>04</td><td align="right">06:51</td><td>Vrbl 7</td><td>10.00</t
d><td align="left">Overcast</td><td>OVC110</td><td>64</td><td>40</td>
<td></td><td></td><td>41%</td><td>NA</td><td>NA</td><td>29.70</td><td>1004.7</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>04</td><td align="right">05:51</td><td>Calm</td><td>10.00</td><td a
lign="left">Overcast</td><td>OVC110</td><td>64</td><td>42</td>
<td></td><td></td><td>45%</td><td>NA</td><td>NA</td><td>29.68</td><td>1004.1</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>04</td><td align="right">04:51</td><td>Calm</td><td>10.00</td><td a
lign="left">NA</td><td>NA</td><td>64</td><td>42</td>
<td></td><td></td><td>45%</td><td>NA</td><td>NA</td><td>29.66</td><td>1003.4</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>04</td><td align="right">03:51</td><td>Vrbl 7</td><td>10.00</td><td
align="left">A Few Clouds</td><td>FEW100</td><td>66</td><td>43</td>
<td></td><td></td><td>43%</td><td>NA</td><td>NA</td><td>29.64</td><td>1002.9</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>04</td><td align="right">02:51</td><td>Vrbl 6</td><td>10.00</td><td
align="left"> Light Rain</td><td>FEW060 OVC095</td><td>68</td><td>45</td>

<td></td><td></td><td>44%</td><td>NA</td><td>NA</td><td>29.64</td><td>1002.7</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>04</td><td align="right">01:51</td><td>Vrbl 3</td><td>10.00</td><td align="left">Partly Cloudy</td><td>SCT070</td><td>68</td><td>56</td>
<td>76</td><td>68</td><td>65%</td><td>NA</td><td>NA</td><td>29.63</td><td>1002.4</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>04</td><td align="right">00:51</td><td>SW 10 G 21</td><td>10.00</td><td align="left">Mostly Cloudy</td><td>BKN095</td><td>70</td><td>56</td>
<td></td><td></td><td></td><td>61%</td><td>NA</td><td>NA</td><td>29.65</td><td>1003.0</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>03</td><td align="right">23:51</td><td>Vrbl 3</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>71</td><td>50</td>
<td></td><td></td><td></td><td>47%</td><td>NA</td><td>NA</td><td>29.64</td><td>1002.9</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>03</td><td align="right">22:51</td><td>SW 8</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>71</td><td>49</td>
<td></td><td></td><td></td><td>46%</td><td>NA</td><td>NA</td><td>29.66</td><td>1003.4</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>03</td><td align="right">21:51</td><td>Vrbl 6</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>71</td><td>49</td>
<td></td><td></td><td></td><td>46%</td><td>NA</td><td>NA</td><td>29.68</td><td>1004.1</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>03</td><td align="right">20:51</td><td>SW 6</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>74</td><td>48</td>
<td></td><td></td><td></td><td>40%</td><td>NA</td><td>NA</td><td>29.68</td><td>1004.0</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>03</td><td align="right">19:51</td><td>Vrbl 5</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>75</td><td>48</td>
<td>80</td><td>74</td><td>39%</td><td>NA</td><td>NA</td><td>29.67</td><td>1003.9</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>03</td><td align="right">18:51</td><td>Vrbl 5</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>77</td><td>46</td>
<td></td><td></td><td></td><td>33%</td><td>NA</td><td>78</td><td>29.67</td><td>1003.8</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>03</td><td align="right">17:51</td><td>Vrbl 6 G 16</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>79</td><td>48</td>
<td></td><td></td><td></td><td>34%</td><td>NA</td><td>79</td><td>29.67</td><td>1003.9</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign

="top"><td>03</td><td align="right">16:51</td><td>SW 7</td><td>10.00</td><td a
lign="left">A Few Clouds</td><td>FEW080</td><td>79</td><td>48</td>
<td></td><td></td><td></td><td>34%</td><td>NA</td><td>79</td><td>29.68</td><td>1004.0</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>03</td><td align="right">15:51</td><td>W 6</td><td>10.00</td><td al
ign="left">Fair</td><td>CLR</td><td>79</td><td>46</td>
<td></td><td></td><td></td><td>31%</td><td>NA</td><td>79</td><td>29.69</td><td>1004.4</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>03</td><td align="right">14:51</td><td>Vrbl 6 G 18</td><td>10.00</t
d><td align="left">A Few Clouds</td><td>FEW060</td><td>78</td><td>48</td>
<td></td><td></td><td></td><td>35%</td><td>NA</td><td>78</td><td>29.73</td><td>1005.7</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>03</td><td align="right">13:51</td><td>SW 9</td><td>10.00</td><td a
lign="left">Fair</td><td>CLR</td><td>74</td><td>52</td>
<td>74</td><td>57</td><td>46%</td><td>NA</td><td>NA</td><td>29.74</td><td>100
6.1</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" v
align="top"><td>03</td><td align="right">12:51</td><td>SW 5</td><td>10.00</td>
<td align="left">Fair</td><td>CLR</td><td>72</td><td>54</td>
<td></td><td></td><td></td><td>53%</td><td>NA</td><td>NA</td><td>29.76</td><td>1007.0</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>03</td><td align="right">11:51</td><td>W 7</td><td>10.00</td><td al
ign="left">Fair</td><td>CLR</td><td>68</td><td>53</td>
<td></td><td></td><td></td><td>59%</td><td>NA</td><td>NA</td><td>29.80</td><td>1008.0</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>03</td><td align="right">10:51</td><td>W 8</td><td>10.00</td><td al
ign="left">Fair</td><td>CLR</td><td>64</td><td>52</td>
<td></td><td></td><td></td><td>65%</td><td>NA</td><td>NA</td><td>29.82</td><td>1008.9</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>03</td><td align="right">09:51</td><td>Calm</td><td>10.00</td><td a
lign="left">Fair</td><td>CLR</td><td>60</td><td>53</td>
<td></td><td></td><td></td><td>78%</td><td>NA</td><td>NA</td><td>29.83</td><td>1009.1</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>03</td><td align="right">08:51</td><td>SW 8</td><td>10.00</td><td a
lign="left">Fair</td><td>CLR</td><td>59</td><td>52</td>
<td></td><td></td><td></td><td>78%</td><td>NA</td><td>NA</td><td>29.85</td><td>1009.9</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>03</td><td align="right">07:51</td><td>NA</td><td>10.00</td><td ali
gn="left">Partly Cloudy</td><td>SCT100</td><td>57</td><td>51</td>

<td>64</td><td>54</td><td>81%</td><td>NA</td><td>NA</td><td>29.85</td><td>101
0.0</td><td></td><td></td><td>0.04</td></tr><tr align="center" bgcolor="#f5f5f
5" valign="top"><td>03</td><td align="right">06:51</td><td>Calm</td><td>10.00
</td><td align="left">Mostly Cloudy</td><td>BKN110</td><td>55</td><td>51</td>
<td></td><td></td><td>87%</td><td>NA</td><td>NA</td><td>29.85</td><td>1009.9</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>03</td><td align="right">05:51</td><td>Vrbl 3</td><td>10.00</td><td
align="left"> Light Rain</td><td>FEW060 SCT090 OVC110</td><td>55</td><td>51</t
d>
<td></td><td></td><td>87%</td><td>NA</td><td>NA</td><td>29.85</td><td>1009.8</
td><td>0.03</td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" va
lign="top"><td>03</td><td align="right">04:51</td><td>Vrbl 6</td><td>7.00</td>
<td align="left"> Light Rain</td><td>SCT041 BKN050 OVC060</td><td>56</td><td>4
9</td>
<td></td><td></td><td>77%</td><td>NA</td><td>NA</td><td>29.86</td><td>1010.3</
td><td>0.01</td><td>0.01</td><td></td></tr><tr align="center" bgcolor="#eeeee
e" valign="top"><td>03</td><td align="right">03:51</td><td>Vrbl 5</td><td>10.0
0</td><td align="left"> Light Rain</td><td>OVC070</td><td>59</td><td>45</td>
<td></td><td></td><td>60%</td><td>NA</td><td>NA</td><td>29.86</td><td>1010.2</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>03</td><td align="right">02:51</td><td>Vrbl 5</td><td>10.00</td><td
align="left">Overcast</td><td>OVC075</td><td>63</td><td>41</td>
<td></td><td></td><td>45%</td><td>NA</td><td>NA</td><td>29.86</td><td>1010.4</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>03</td><td align="right">01:51</td><td>Vrbl 3</td><td>10.00</td><td
align="left"> Light Rain</td><td>OVC080</td><td>63</td><td>41</td>
<td>69</td><td>63</td><td>45%</td><td>NA</td><td>NA</td><td>29.91</td><td>101
1.8</td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" v
align="top"><td>03</td><td align="right">00:51</td><td>SW 7</td><td>10.00</td>
<td align="left">Overcast</td><td>OVC080</td><td>65</td><td>39</td>
<td></td><td></td><td>39%</td><td>NA</td><td>NA</td><td>29.92</td><td>1012.3</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>02</td><td align="right">23:51</td><td>NA</td><td>10.00</td><td ali
gn="left">Overcast</td><td>OVC095</td><td>67</td><td>38</td>
<td></td><td></td><td>35%</td><td>NA</td><td>NA</td><td>29.92</td><td>1012.2</
td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>02</td><td align="right">22:51</td><td>SW 5</td><td>10.00</td><td a
lign="left">Mostly Cloudy</td><td>BKN100 BKN120</td><td>66</td><td>37</td>

<td></td><td></td><td>34%</td><td>NA</td><td>NA</td><td>29.94</td><td>1013.0</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>02</td><td align="right">21:51</td><td>Vrbl 6</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>66</td><td>37</td><td></td><td></td><td>34%</td><td>NA</td><td>NA</td><td>29.94</td><td>1013.1</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>02</td><td align="right">20:51</td><td>SW 7</td><td>10.00</td><td align="left">Partly Cloudy</td><td>SCT120</td><td>68</td><td>37</td><td></td><td></td><td>32%</td><td>NA</td><td>NA</td><td>29.94</td><td>1012.9</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>02</td><td align="right">19:51</td><td>Vrbl 7</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>69</td><td>38</td><td>73</td><td>69</td><td>32%</td><td>NA</td><td>NA</td><td>29.92</td><td>1012.2</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>02</td><td align="right">18:51</td><td>Vrbl 3</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>71</td><td>33</td><td></td><td></td><td>25%</td><td>NA</td><td>NA</td><td>29.90</td><td>1011.6</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>02</td><td align="right">17:51</td><td>W 8</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>72</td><td>34</td><td></td><td></td><td>25%</td><td>NA</td><td>NA</td><td>29.92</td><td>1012.4</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>02</td><td align="right">16:51</td><td>W 8</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>73</td><td>34</td><td></td><td></td><td>24%</td><td>NA</td><td>NA</td><td>29.92</td><td>1012.4</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>02</td><td align="right">15:51</td><td>W 8 G 16</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>73</td><td>35</td><td></td><td></td><td>25%</td><td>NA</td><td>NA</td><td>29.94</td><td>1013.0</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>02</td><td align="right">14:51</td><td>Vrbl 5</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>71</td><td>34</td><td></td><td></td><td>26%</td><td>NA</td><td>NA</td><td>29.96</td><td>1013.8</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>02</td><td align="right">13:51</td><td>Vrbl 3</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>71</td><td>35</td><td>72</td><td>53</td><td>27%</td><td>NA</td><td>NA</td><td>29.98</td><td>1014.2</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" v

align="top"><td>02</td><td align="right">12:51</td><td>NW 9</td><td>10.00</td>
<td align="left">Fair</td><td>CLR</td><td>70</td><td>35</td>
<td></td><td></td><td>28%</td><td>NA</td><td>NA</td><td>30.00</td><td>1015.0</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>02</td><td align="right">11:51</td><td>Vrbl 6</td><td>10.00</td><td
align="left">Fair</td><td>CLR</td><td>68</td><td>38</td>
<td></td><td></td><td>33%</td><td>NA</td><td>NA</td><td>30.02</td><td>1015.6</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>02</td><td align="right">10:51</td><td>NA</td><td>10.00</td><td ali
gn="left">Fair</td><td>CLR</td><td>64</td><td>36</td>
<td></td><td></td><td>35%</td><td>NA</td><td>NA</td><td>30.03</td><td>1015.9</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>02</td><td align="right">09:51</td><td>N 8 G 16</td><td>10.00</td><
td align="left">Fair</td><td>CLR</td><td>61</td><td>35</td>
<td></td><td></td><td>38%</td><td>NA</td><td>NA</td><td>30.02</td><td>1015.6</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>02</td><td align="right">08:51</td><td>NA</td><td>10.00</td><td ali
gn="left">Fair</td><td>CLR</td><td>57</td><td>37</td>
<td></td><td></td><td>47%</td><td>NA</td><td>NA</td><td>30.01</td><td>1015.4</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>02</td><td align="right">07:51</td><td>W 5</td><td>10.00</td><td al
ign="left">Fair</td><td>CLR</td><td>53</td><td>38</td>
<td>56</td><td>51</td><td>57%</td><td>NA</td><td>NA</td><td>30.00</td><td>101
4.9</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" v
align="top"><td>02</td><td align="right">06:51</td><td>NA</td><td>10.00</td><t
d align="left">Fair</td><td>CLR</td><td>52</td><td>38</td>
<td></td><td></td><td>59%</td><td>NA</td><td>NA</td><td>29.98</td><td>1014.1</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>02</td><td align="right">05:51</td><td>Vrbl 6</td><td>10.00</td><td
align="left">Fair</td><td>CLR</td><td>52</td><td>37</td>
<td></td><td></td><td>57%</td><td>NA</td><td>NA</td><td>29.94</td><td>1012.8</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>02</td><td align="right">04:51</td><td>W 7</td><td>10.00</td><td al
ign="left">Fair</td><td>CLR</td><td>52</td><td>37</td>
<td></td><td></td><td>57%</td><td>NA</td><td>NA</td><td>29.90</td><td>1011.6</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>02</td><td align="right">03:51</td><td>Vrbl 3</td><td>10.00</td><td
align="left">Fair</td><td>CLR</td><td>53</td><td>37</td>

<td></td><td></td><td>55%</td><td>NA</td><td>NA</td><td>29.88</td><td>1010.9</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>02</td><td align="right">02:51</td><td>NA</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>54</td><td>39</td>
<td></td><td></td><td>57%</td><td>NA</td><td>NA</td><td>29.86</td><td>1010.2</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>02</td><td align="right">01:51</td><td>NA</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>56</td><td>43</td>
<td>63</td><td>56</td><td>62%</td><td>NA</td><td>NA</td><td>29.84</td><td>1009.5</td><td></td><td></td><td>0.01</td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>02</td><td align="right">00:51</td><td>NW 10 G 18</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>58</td><td>46</td>
<td></td><td></td><td>65%</td><td>NA</td><td>NA</td><td>29.82</td><td>1008.8</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>01</td><td align="right">23:51</td><td>Vrbl 7</td><td>10.00</td><td align="left">Overcast</td><td>OVC085</td><td>59</td><td>45</td>
<td></td><td></td><td>60%</td><td>NA</td><td>NA</td><td>29.80</td><td>1008.2</td><td>0.01</td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>01</td><td align="right">22:51</td><td>Vrbl 3</td><td>10.00</td><td align="left">Overcast</td><td>OVC085</td><td>61</td><td>47</td>
<td></td><td></td><td>60%</td><td>NA</td><td>NA</td><td>29.78</td><td>1007.6</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>01</td><td align="right">21:51</td><td>W 9</td><td>10.00</td><td align="left">Overcast</td><td>OVC080</td><td>62</td><td>48</td>
<td></td><td></td><td>60%</td><td>NA</td><td>NA</td><td>29.77</td><td>1007.1</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>01</td><td align="right">20:51</td><td>W 5</td><td>10.00</td><td align="left">Overcast</td><td>OVC075</td><td>62</td><td>48</td>
<td></td><td></td><td>60%</td><td>NA</td><td>NA</td><td>29.75</td><td>1006.5</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign="top"><td>01</td><td align="right">19:51</td><td>Vrbl 3</td><td>10.00</td><td align="left">Fair</td><td>CLR</td><td>63</td><td>47</td>
<td>66</td><td>61</td><td>56%</td><td>NA</td><td>NA</td><td>29.73</td><td>1005.8</td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign="top"><td>01</td><td align="right">18:51</td><td>Vrbl 6</td><td>10.00</td><td align="left">Mostly Cloudy</td><td>BKN041 BKN050</td><td>65</td><td>48</td>
<td></td><td></td><td>54%</td><td>NA</td><td>NA</td><td>29.72</td><td>1005.3</td>

td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#eeeeee" valign
="top"><td>01</td><td align="right">17:51</td><td>Vrbl 7</td><td>10.00</td><td
align="left">Partly Cloudy</td><td>SCT041 SCT050</td><td>65</td><td>50</td>
<td></td><td></td><td>59%</td><td>NA</td><td>NA</td><td>29.70</td><td>1004.9</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#f5f5f5" valign
="top"><td>01</td><td align="right">16:51</td><td>Calm</td><td>10.00</td><td a
lign="left">Mostly Cloudy</td><td>FEW035 SCT045 BKN080</td><td>65</td><td>51</
td>
<td></td><td></td><td>61%</td><td>NA</td><td>NA</td><td>29.69</td><td>1004.6</
td><td></td><td></td><td></td><td></td></tr><tr align="center" bgcolor="#b0c4de"><th ro
wspan="3">D
a
t
e</th><th rowspan="3">Time
(edt)</th>
<th rowspan="3">Wind
(mph)</th><th rowspan="3">Vis.
(mi.)</th><th rows
pan="3">Weather</th><th align="CENTER" rowspan="3">Sky Cond.</th>
<th rowspan="2">Air</th><th rowspan="2">Dwpt</th><th>Max.</th><th>Min.</th><th
rowspan="3" width="65">Relative
Humidity</th><th rowspan="3" width="80">Wi
nd
Chill
(°F)</th><th rowspan="3" width="80">Heat
Index
(°F)</
th><th rowspan="2">altimeter
(in.)</th><th rowspan="2">sea level
(mb)
</th>
<th rowspan="2">1 hr</th><th rowspan="2">3 hr</th><th rowspan="2">6 hr</th></t
r>
<tr align="center" bgcolor="#b0c4de"><th colspan="2">6 hour</th></tr><tr align
="center" bgcolor="#b0c4de">
<th colspan="4">Temperature (ºF)</th><th colspan="2">Pressure</th><th colspan
="3">Precipitation (in.)</th></tr></table>

In [8]:

```
# extract data from the 4th table in the page into a dataframe

import pandas as pd

data_table = knyc_soup.find_all('table')[3]

table_rows = data_table.find_all('tr') # get rows from table

data = []
for idx,tr in enumerate(table_rows):
    if idx < 3 :                          # skip header rows
        continue
    td = tr.find_all('td')                # get table cells
    row = [elem.text for elem in td]      # pull text from cells
    data.append(row)                      # add to dataset

pd.DataFrame(data).head()
```

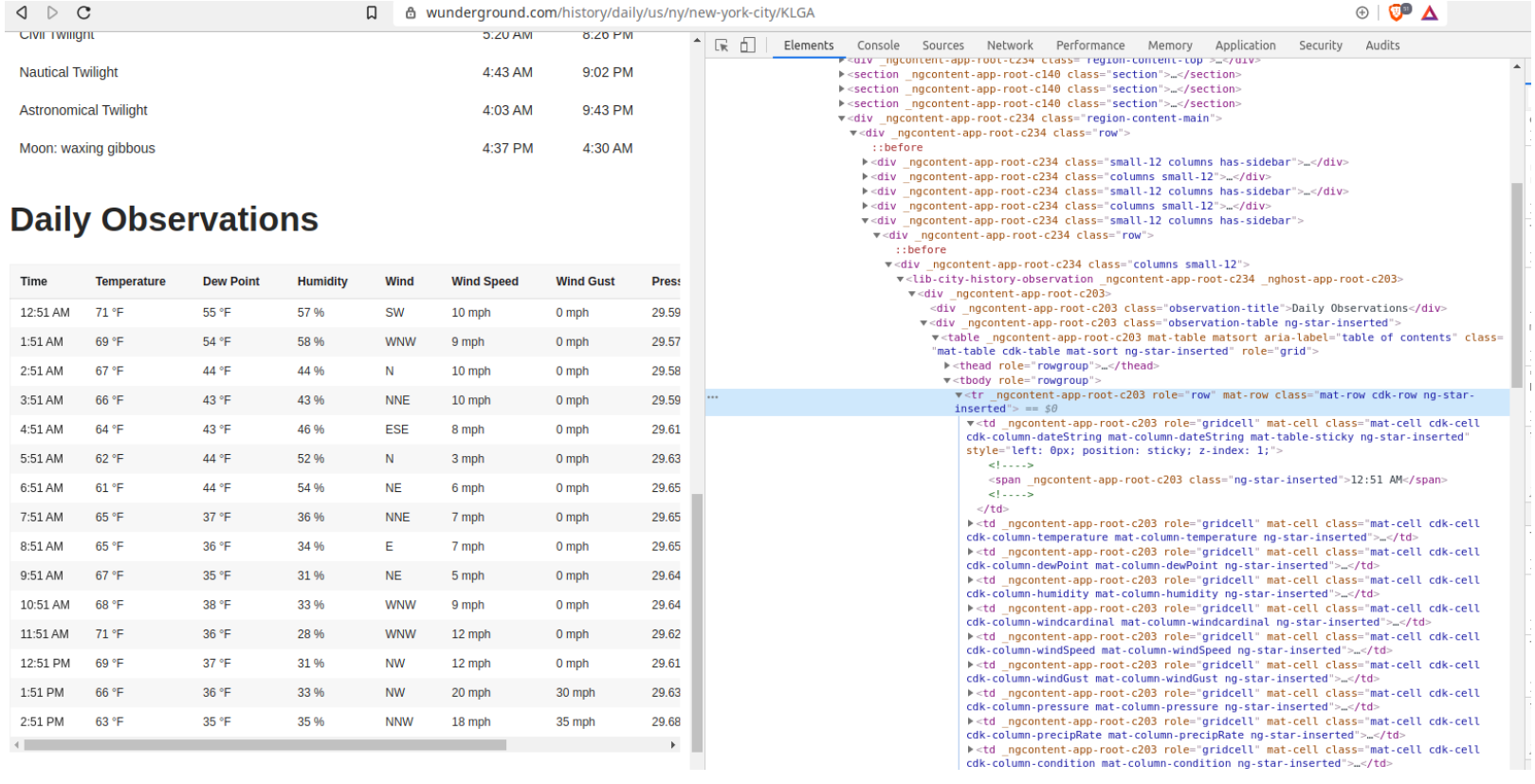
Out[8]:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0	04	15:51	W 14 G 37	10.00	Overcast	OVC080	60	35			39%	NA	NA	29.76	1006.7			
1	04	14:51	Vrbl 7 G 26	10.00	Mostly Cloudy	BKN110	63	35			35%	NA	NA	29.74	1006.0			
2	04	13:51	Vrbl 5	10.00	Overcast	OVC090	66	36	75	64	33%	NA	NA	29.70	1004.7			
3	04	12:51	Vrbl 3	10.00	Overcast	FEW080 SCT090 OVC110	70	36			29%	NA	NA	29.67	1003.7			
4	04	11:51	NA	10.00	Mostly Cloudy	SCT080 BKN095	70	37			30%	NA	NA	29.68	1004.0			

Laguardia Weather History Summary

https://www.wunderground.com/history/daily/us/ny/new-york-city/KNYC/date/2018-12-3?cm_ven=localwx_history (https://www.wunderground.com/history/daily/us/ny/new-york-city/KNYC/date/2018-12-3?cm_ven=localwx_history)

In [9]:
```
wu_link = 'https://www.wunderground.com/history/daily/us/ny/new-york-city/KLGA'
```


wunderground.com/history/daily/us/ny/new-york-city/KLGA
Civil Twilight 5:20 AM 8:26 PM
Nautical Twilight 4:43 AM 9:02 PM
Astronomical Twilight 4:03 AM 9:43 PM
Moon: waxing gibbous 4:37 PM 4:30 AM
Daily Observations
Time Temperature Dew Point Humidity Wind Wind Speed Wind Gust Press
12:51 AM 71 °F 55 °F 57 % SW 10 mph 0 mph 29.59
1:51 AM 69 °F 54 °F 58 % WNW 9 mph 0 mph 29.57
2:51 AM 67 °F 44 °F 44 % N 10 mph 0 mph 29.58
3:51 AM 66 °F 43 °F 43 % NNE 10 mph 0 mph 29.59
4:51 AM 64 °F 43 °F 46 % ESE 8 mph 0 mph 29.61
5:51 AM 62 °F 44 °F 52 % N 3 mph 0 mph 29.63
6:51 AM 61 °F 44 °F 54 % NE 6 mph 0 mph 29.65
7:51 AM 65 °F 37 °F 36 % NNE 7 mph 0 mph 29.65
8:51 AM 65 °F 36 °F 34 % E 7 mph 0 mph 29.65
9:51 AM 67 °F 35 °F 31 % NE 5 mph 0 mph 29.64
10:51 AM 68 °F 38 °F 33 % WNW 9 mph 0 mph 29.64
11:51 AM 71 °F 36 °F 28 % WNW 12 mph 0 mph 29.62
12:51 PM 69 °F 37 °F 31 % NW 12 mph 0 mph 29.61
1:51 PM 66 °F 36 °F 33 % NW 20 mph 30 mph 29.63
2:51 PM 63 °F 35 °F 35 % NNW 18 mph 35 mph 29.68
Elements Console Sources Network Performance Memory Application Security Audits
<section _ngcontent-app-root-c140 class="section">…</section>
<section _ngcontent-app-root-c140 class="section">…</section>
<section _ngcontent-app-root-c140 class="section">…</section>
<div _ngcontent-app-root-c234 class="region-content-main">
<div _ngcontent-app-root-c234 class="row">
::before
<div _ngcontent-app-root-c234 class="small-12 columns has-sidebar">…
<div _ngcontent-app-root-c234 class="columns small-12">…
<div _ngcontent-app-root-c234 class="small-12 columns has-sidebar">…
<div _ngcontent-app-root-c234 class="columns small-12">…
<div _ngcontent-app-root-c234 class="small-12 columns has-sidebar">
<div _ngcontent-app-root-c234 class="row">
::before
<div _ngcontent-app-root-c234 class="columns small-12">
<lib-city-history-observation _ngcontent-app-root-c234 _nghost-app-root-c203>
<div _ngcontent-app-root-c203>
<div _ngcontent-app-root-c203 class="observation-title">Daily Observations
<div _ngcontent-app-root-c203 class="observation-table ng-star-inserted">
<table _ngcontent-app-root-c203 mat-table matsort aria-label="table of contents" class="mat-table cdk-table mat-sort ng-star-inserted" role="grid">
<thead role="rowgroup">…</thead>
<tbody role="rowgroup">
<tr _ngcontent-app-root-c203 role="row" mat-row class="mat-row cdk-row ng-star-inserted"> == $0
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-dateString mat-column-dateString mat-table-sticky ng-star-inserted" style="left: 0px; position: sticky; z-index: 1;">
<!---->
<span _ngcontent-app-root-c203 class="ng-star-inserted">12:51 AM
<!---->
</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-temperature mat-column-temperature ng-star-inserted">…</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-dewPoint mat-column-dewPoint ng-star-inserted">…</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-humidity mat-column-humidity ng-star-inserted">…</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-windcardinal mat-column-windcardinal ng-star-inserted">…</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-windSpeed mat-column-windSpeed ng-star-inserted">…</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-windGust mat-column-windGust ng-star-inserted">…</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-pressure mat-column-pressure ng-star-inserted">…</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-precipRate mat-column-precipRate ng-star-inserted">…</td>
<td _ngcontent-app-root-c203 role="gridcell" mat-cell class="mat-cell cdk-cell cdk-column-condition mat-column-condition ng-star-inserted">…</td>

In [10]:
```
# get the page
import requests
wu_page = requests.get(wu_link)
wu_page
```

Out[10]:
```
<Response [200]>
```

In [11]:
```
from bs4 import BeautifulSoup
wu_soup = BeautifulSoup(wu_page.content)
```

In [12]:
```
print(wu_soup.prettify()[:1000])
```

```
<!DOCTYPE html>
<html itemscope="" itemtype="http://schema.org/Organization" lang="en" prefix
="og: http://ogp.me/ns#">
 <head itemscope="" itemtype="http://schema.org/WebSite">
  <meta charset="utf-8"/>
  <title>
   New York City, NY Weather History | Weather Underground
  </title>
  <base href="/"/>
  <meta content="width=device-width, initial-scale=1" name="viewport"/>
  <meta content="IE=edge,chrome=1" http-equiv="X-UA-Compatible"/>
  <link href="//widgets.outbrain.com" rel="dns-prefetch"/>
  <link href="//odb.outbrain.com" rel="dns-prefetch"/>
  <link href="//c.amazon-adsystem.com" rel="dns-prefetch"/>
  <link href="//s.amazon-adsystem.com" rel="dns-prefetch"/>
  <link href="//aax.amazon-adsystem.com" rel="dns-prefetch"/>
  <link href="//partner.googleadservices.com" rel="dns-prefetch"/>
  <link href="//tpc.googlesyndication.com" rel="dns-prefetch"/>
  <link href="//pagead2.googlesyndication.com" rel="dns-prefetch"/>
  <link href="//h.nexac.com" rel="dns-prefetch"/>
  <link href="/
```

In [13]:
```
# the table we want doesn't exist! culprit: javascript
wu_soup.find_all('table',class_=lambda value: value and value.startswith("mat-ta
ble"))
```

Out[13]:
```
[]
```

In [14]:

```
# get the text from the page
wu_text = wu_soup.get_text()

# clean up the whitespace
import re
wu_text = re.sub(r'\n+','\n',wu_text.strip())
print(wu_text[-1000:])
```

```
nTime=timing.domainLookupEnd-timing.domainLookupStart;api.connectTime=timing.c
onnectEnd-timing.connectStart;api.requestTime=timing.responseEnd-timing.reques
tStart;api.initDomTreeTime=timing.domInteractive-timing.responseEnd;api.loadEv
entTime=timing.loadEventEnd-timing.loadEventStart}return api},printTable:funct
ion(opts){var table={};var data=this.getTimes(opts)||{};Object.keys(data).sort
().forEach(function(k){table[k]={ms:data[k],s:+(data[k]/1e3).toFixed(2)}});con
sole.table(table)},printSimpleTable:function(){this.printTable({simple:tru
e})}};function isNumeric(n){return!isNaN(parseFloat(n))&&isFinite(n)}if(typeof
module!=="undefined"&&module.exports){module.exports=window.timing}})(typeof w
indow!=="undefined"?window:{});

      window.addEventListener("load",function(){setTimeout(function(){newrelic
&&timing&&timing.getTimes()&&Object.keys(timing.getTimes()).forEach(function
(i){newrelic.setCustomAttribute("timing"+i.charAt(0).toUpperCase()+i.slice(1),
timing.getTimes()[i])})},0)});
```

Need to actually render page to process scripts!

In [15]:
```
# need to install chromedriver: https://sites.google.com/a/chromium.org/chromedr
iver/home
from selenium.webdriver.chrome.options import Options
from selenium import webdriver

chrome_options = Options()
chrome_options.add_argument("--headless")

driver = webdriver.Chrome(options=chrome_options)
```

In [16]:
```
# this will actually render the page
driver.get(wu_link)
```

In [18]:
```
# two ways to find the table we want
wu_table = driver.find_element_by_class_name('mat-table')
#wu_table = driver.find_element_by_id('history-observation-table')
```

In [19]:
```
# text in the table
wu_table.text
```

Out[19]:
```
'Time\nTemperature\nDew Point\nHumidity\nWind\nWind Speed\nWind Gust\nPressure
\nPrecip.\nCondition\n12:51 AM 71 F 55 F 57 % SW 10 mph 0 mph 29.59 in 0.0 in
Cloudy\n1:51 AM 69 F 54 F 58 % WNW 9 mph 0 mph 29.57 in 0.0 in Mostly Cloudy\n
2:51 AM 67 F 44 F 44 % N 10 mph 0 mph 29.58 in 0.0 in Cloudy\n3:51 AM 66 F 43
F 43 % NNE 10 mph 0 mph 29.59 in 0.0 in Fair\n4:51 AM 64 F 43 F 46 % ESE 8 mph
0 mph 29.61 in 0.0 in Cloudy\n5:51 AM 62 F 44 F 52 % N 3 mph 0 mph 29.63 in 0.
0 in Cloudy\n6:51 AM 61 F 44 F 54 % NE 6 mph 0 mph 29.65 in 0.0 in Mostly Clou
dy\n7:51 AM 65 F 37 F 36 % NNE 7 mph 0 mph 29.65 in 0.0 in Mostly Cloudy\n8:51
AM 65 F 36 F 34 % E 7 mph 0 mph 29.65 in 0.0 in Partly Cloudy\n9:51 AM 67 F 35
F 31 % NE 5 mph 0 mph 29.64 in 0.0 in Fair\n10:51 AM 68 F 38 F 33 % WNW 9 mph
0 mph 29.64 in 0.0 in Fair\n11:51 AM 71 F 36 F 28 % WNW 12 mph 0 mph 29.62 in
0.0 in Partly Cloudy\n12:51 PM 69 F 37 F 31 % NW 12 mph 0 mph 29.61 in 0.0 in
Mostly Cloudy\n1:51 PM 66 F 36 F 33 % NW 20 mph 30 mph 29.63 in 0.0 in Mostly
Cloudy\n2:51 PM 63 F 35 F 35 % NNW 18 mph 35 mph 29.68 in 0.0 in Mostly Cloudy
\n3:51 PM 61 F 36 F 39 % WNW 26 mph 35 mph 29.70 in 0.0 in Cloudy / Windy'
```

In [24]:

```
# extracting text into a datafram
wu_data = []
for tr in wu_table.find_elements_by_css_selector('tr'):
    tmp_row = []
    for th in tr.find_elements_by_css_selector('th'):
        tmp_row.append(th.text.strip())
    for td in tr.find_elements_by_css_selector('td'):
        tmp_row.append(td.text.strip())
    wu_data.append(tmp_row)
df_wu = pd.DataFrame(wu_data[1:],columns=wu_data[0])
df_wu.head()
```

Out[24]:

	Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Condition
0	12:51 AM	71 F	55 F	57 %	SW	10 mph	0 mph	29.59 in	0.0 in	Cloudy
1	1:51 AM	69 F	54 F	58 %	WNW	9 mph	0 mph	29.57 in	0.0 in	Mostly Cloudy
2	2:51 AM	67 F	44 F	44 %	N	10 mph	0 mph	29.58 in	0.0 in	Cloudy
3	3:51 AM	66 F	43 F	43 %	NNE	10 mph	0 mph	29.59 in	0.0 in	Fair
4	4:51 AM	64 F	43 F	46 %	ESE	8 mph	0 mph	29.61 in	0.0 in	Cloudy

In [25]:
```
# visualize the rendered table, still missing some stuff, need to debug
wu_table.screenshot('./images/test1.png')
```

Out[25]: True

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Pre
12:51 AM	71 °F	55 °F	57 %	SW	10 mph	0 mph	29.59 in	0.0
1:51 AM	69 °F	54 °F	58 %	WNW	9 mph	0 mph	29.57 in	0.0
2:51 AM	67 °F	44 °F	44 %	N	10 mph	0 mph	29.58 in	0.0
3:51 AM	66 °F	43 °F	43 %	NNE	10 mph	0 mph	29.59 in	0.0
4:51 AM	64 °F	43 °F	46 %	ESE	8 mph	0 mph	29.61 in	0.0
5:51 AM	62 °F	44 °F	52 %	N	3 mph	0 mph	29.63 in	0.0
6:51 AM	61 °F	44 °F	54 %	NE	6 mph	0 mph	29.65 in	0.0
7:51 AM	65 °F	37 °F	36 %	NNE	7 mph	0 mph	29.65 in	0.0
8:51 AM	65 °F	36 °F	34 %	E	7 mph	0 mph	29.65 in	0.0
9:51 AM	67 °F	35 °F	31 %	NE	5 mph	0 mph	29.64 in	0.0
10:51 AM	68 °F	38 °F	33 %	WNW	9 mph	0 mph	29.64 in	0.0
11:51 AM	71 °F	36 °F	28 %	WNW	12 mph	0 mph	29.62 in	0.0
12:51 PM	69 °F	37 °F	31 %	NW	12 mph	0 mph	29.61 in	0.0
1:51 PM	66 °F	36 °F	33 %	NW	20 mph	30 mph	29.63 in	0.0