```python
#Practical no. 6
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import bs4
from bs4 import BeautifulSoup as bs
import requests
page=requests.get("https://forecast.weather.gov/MapClick.php?lat=37.7772&lon=-122.4168")

soup=bs(page.content,"html.parser")
seven_day=soup.find(id="seven-day-forecast")
forecast_items=seven_day.find_all(class_="tombstone-container")
tonight=forecast_items[0]
print(tonight.prettify())
p1=tonight.find(class_="period-name").get_text()

short_desc=tonight.find(class_="short-desc").get_text()

temp=tonight.find(class_="temp").get_text()

print(p1)
print(short_desc)
print(temp)
img=tonight.find("img")
desc=img['title']
print(desc)
p_tags=seven_day.select(".tombstone-container .period-name")
pe=[pt.get_text() for pt in p_tags]
print(pe)
short_descs=[sd.get_text() for sd in seven_day.select(".tombstone-container .short-desc")]

temps=[t.get_text() for t in seven_day.select(".tombstone-container .temp")]

descs=[d["title"] for d in seven_day.select(".tombstone-container img")]
```

```
print(short_descs)
print(temps)
print(descs)
import pandas as pd
weather=pd.DataFrame({"period":pe,"short_desc":short_descs,"temp":temps,"desc":descs})
print(weather)
```

```
    <div class="tombstone-container">
     <p class="period-name">
      Today
      <br/>
      <br/>
     </p>
     <p>
      <img alt="Today: Sunny, with a high near 63. Northeast wind 8 to 10 mph. " class="forecast-icon" src="newimages/med
     </p>
     <p class="short-desc">
      Sunny
     </p>
     <p class="temp temp-high">
      High: 63 °F
     </p>
    </div>
    Today
    Sunny
    High: 63 °F
    Today: Sunny, with a high near 63. Northeast wind 8 to 10 mph.
    ['Today', 'Tonight', 'Sunday', 'SundayNight', 'Monday', 'MondayNight', 'Tuesday', 'TuesdayNight', 'Wednesday']
    ['Sunny', 'Mostly Clear', 'Mostly Sunny', 'Partly Cloudy', 'Sunny', 'Mostly Clear', 'Sunny', 'Chance Rain', 'Chance R
    ['High: 63 °F', 'Low: 46 °F', 'High: 64 °F', 'Low: 46 °F', 'High: 65 °F', 'Low: 45 °F', 'High: 63 °F', 'Low: 48 °F',
    ['Today: Sunny, with a high near 63. Northeast wind 8 to 10 mph. ', 'Tonight: Mostly clear, with a low around 46. Nor
            period      short_desc          temp  \
    0         Today          Sunny  High: 63 °F
    1       Tonight   Mostly Clear   Low: 46 °F
    2        Sunday   Mostly Sunny  High: 64 °F
    3   SundayNight  Partly Cloudy   Low: 46 °F
    4        Monday          Sunny  High: 65 °F
```

```
5   MondayNight   Mostly Clear   Low: 45 °F
6      Tuesday           Sunny  High: 63 °F
7  TuesdayNight   Chance Rain    Low: 48 °F
8    Wednesday    Chance Rain   High: 60 °F


                                          desc
0  Today: Sunny, with a high near 63. Northeast w...
1  Tonight: Mostly clear, with a low around 46. N...
2  Sunday: Mostly sunny, with a high near 64. Nor...
3  Sunday Night: Partly cloudy, with a low around...
4  Monday: Sunny, with a high near 65. East wind ...
5  Monday Night: Mostly clear, with a low around 45.
6              Tuesday: Sunny, with a high near 63.
7  Tuesday Night: A chance of rain after 10pm.  P...
8  Wednesday: A chance of rain.  Partly sunny, wi...
```