```
In [27]: | | | from bs4 import BeautifulSoup
              import requests
In [146]: | #rgs = requests.get('https://drive.google.com/file/d/1jAg0sJgBRquog1RDN bCOmUfM0Z56MOs/view')
             readFile = open('BeautifulSoup.html','r')
#soup = BeautifulSoup(url)
             #soup rqs = BeautifulSoup(rqs, 'html.parser')
             #type(soup rqs)
In [148]: | #Write a Python program to find the title tags from a given html document.
             title = soup.find all('title')
             title
   Out[148]: [<title>An example of HTML page</title>]
In [149]: | #Write a Python program to get the number of paragraph tags of a given html document.
              #paragraph tag is p
             #print(soup.find_all('p'))
             count = 0
             for obj in soup.find all('p'):
                 count = count + 1
             count
   Out[149]: 4
In [150]: | #Write a Python program to extract the text in the first paragraph tag of a given html document.
             firstPara = soup.find('p')
             firstPara
   Out[150]: 
             Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc at nisi velit,
              aliquet iaculis est. Curabitur porttitor nisi vel lacus euismod egestas. In hac
             habitasse platea dictumst. In sagittis magna eu odio interdum mollis. Phasellus
              sagittis pulvinar facilisis. Donec vel odio volutpat tortor volutpat commodo.
             Donec vehicula vulputate sem, vel iaculis urna molestie eget. Sed pellentesque
              adipiscing tortor, at condimentum elit elementum sed. Mauris dignissim
              elementum nunc, non elementum felis condimentum eu. In in turpis quis erat
              imperdiet vulputate. Pellentesque mauris turpis, dignissim sed iaculis eu,
              euismod eget ipsum. Vivamus mollis adipiscing viverra. Morbi at sem eget nisl
              euismod porta.
```

```
In [102]: | #Write a Python program to extract all the URLs from the webpage python.org that are nested within tags from
              #url = requests.get('https://www.python.org/').text
              #soup2 = BeautifulSoup(url)
              #type(soup2)
              #print(soup2.find all('li'))
              links = soup.find all(href = True)
              links
    Out[102]: [<a href="https://www.w3resource.com/html/HTML-tutorials.php">Learn HTML from
               w3resource.com</a>,
               <a href="https://www.w3resource.com/css/CSS-tutorials.php">Learn CSS from
               w3resource.com</a>]
In [151]: | #Write a Python program to extract all the text from a given web page.
              text = soup.get_text()
              text
    Out[151]: '\n\nAn example of HTML page\n\n\nThis is an example HTML page\n\nLorem ipsum dolor sit amet, consectetur adipis
              cing elit. Nunc at nisi velit,\naliquet iaculis est. Curabitur porttitor nisi vel lacus euismod egestas. In hac\nh
              abitasse platea dictumst. In sagittis magna eu odio interdum mollis. Phasellus\nsagittis pulvinar facilisis. Donec
              vel odio volutpat tortor volutpat commodo.\nDonec vehicula vulputate sem, vel iaculis urna molestie eget. Sed pell
              entesque\nadipiscing tortor, at condimentum elit elementum sed. Mauris dignissim\nelementum nunc, non elementum fe
              lis condimentum eu. In in turpis quis erat\nimperdiet vulputate. Pellentesque mauris turpis, dignissim sed iaculis
              eu,\neuismod eget ipsum. Vivamus mollis adipiscing viverra. Morbi at sem eget nisl\neuismod porta.\nLearn HTML fro
              m\nw3resource.com\nLearn CSS from \nw3resource.com\n\n\n"""\n'
In [156]: | #Write a Python program to retrieve the HTML code of the title, its text, and the HTML code of its parent.
              TitleText = soup.title.text
              print('The Text of the title is: ',TitleText)
              print('The code of the title is: ',title)
              print('The code of its parent is: ',soup.title.parent())
              The Text of the title is: An example of HTML page
              The code of the title is: [<title>An example of HTML page</title>]
              The code of its parent is: [<meta content="text/html;
              charset=utf-8" http-equiv="Content-Type"/>, <title>An example of HTML page</title>]
```

```
In [181]: #Write a Python program to create a Beautiful Soup parse tree into a nicely formatted Unicode string, # with a separate line for each HTML/XML tag and string.
```

formatted_string = soup.prettify()
print(formatted_string)
type(formatted_string)

```
<html>
 <head>
  <meta content="text/html;</pre>
charset=utf-8" http-equiv="Content-Type"/>
  <title>
   An example of HTML page
  </title>
 </head>
 <body>
  <h2>
  This is an example HTML page
  </h2>
  >
   Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nunc at nisi velit,
aliquet iaculis est. Curabitur porttitor nisi vel lacus euismod egestas. In hac
habitasse platea dictumst. In sagittis magna eu odio interdum mollis. Phasellus
sagittis pulvinar facilisis. Donec vel odio volutpat tortor volutpat commodo.
Donec vehicula vulputate sem, vel iaculis urna molestie eget. Sed pellentesque
adipiscing tortor, at condimentum elit elementum sed. Mauris dignissim
elementum nunc, non elementum felis condimentum eu. In in turpis quis erat
imperdiet vulputate. Pellentesque mauris turpis, dignissim sed iaculis eu,
euismod eget ipsum. Vivamus mollis adipiscing viverra. Morbi at sem eget nisl
euismod porta.
  >
   <a href="https://www.w3resource.com/html/HTML-tutorials.php">
    Learn HTML from
w3resource.com
   </a>
  >
   <a href="https://www.w3resource.com/css/CSS-tutorials.php">
    Learn CSS from
w3resource.com
   </a>
  </body>
</html>
<html>
 >
  . . . . .
 </html>
```

In []:	# Write a Python program to remove the contents of a tag in a given html document.
In []:	M