```
In [1]:   !pip install bs4

          Requirement already satisfied: bs4 in c:\users\asharm\anaconda3\lib\site-packages (0.
          0.1)
          Requirement already satisfied: beautifulsoup4 in c:\users\asharm\anaconda3\lib\site-p
          ackages (from bs4) (4.11.1)
          Requirement already satisfied: soupsieve>1.2 in c:\users\asharm\anaconda3\lib\site-pa
          ckages (from beautifulsoup4->bs4) (2.3.1)

In [2]:   !pip install requests

          Requirement already satisfied: requests in c:\users\asharm\anaconda3\lib\site-package
          s (2.27.1)
          Requirement already satisfied: certifi>=2017.4.17 in c:\users\asharm\anaconda3\lib\si
          te-packages (from requests) (2021.10.8)
          Requirement already satisfied: charset-normalizer~=2.0.0 in c:\users\asharm\anaconda3
          \lib\site-packages (from requests) (2.0.4)
          Requirement already satisfied: idna<4,>=2.5 in c:\users\asharm\anaconda3\lib\site-pac
          kages (from requests) (3.3)
          Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\asharm\anaconda3\lib
          \site-packages (from requests) (1.26.9)

In [3]:   from bs4 import BeautifulSoup

In [4]:   url = "https://en.wikipedia.org/wiki/Main_Page"

In [5]:   import requests
          r = requests.get(url)
          r

Out[5]:   <Response [200]>

In [6]:   soup = BeautifulSoup(r.content)

In [7]:   # First check h1 is present on source code
          Header_tag1 =[]

In [8]:   for i in soup.find_all("h1"):
              Header_tag1.append(i.text)

In [9]:   Header_tag1

Out[9]:   ['Main Page', 'Welcome to Wikipedia']

In [11]:  ## First check h2 is present on source code
          h2 = []

In [12]:  for i in soup.find_all("h2"):
              h2.append(i.text)

In [13]:  h2
```

```
Out[13]:    ["From today's featured article",
            'Did you know\xa0...',
            'In the news',
            'On this day',
            "From today's featured list",
            "Today's featured picture",
            'Other areas of Wikipedia',
            "Wikipedia's sister projects",
            'Wikipedia languages',
            'Navigation menu']
```

```
In [21]:    h3 = []
```

```
In [22]:    for i in soup.find_all("h3"):
                h3.append(i.text.replace("\n",""))
```

```
In [23]:    h3
```

```
Out[23]:    ['Personal tools',
             'Namespaces',
             'Views',
             'Search',
             'Navigation',
             'Contribute',
             'Tools',
             'Print/export',
             'In other projects',
             'Languages']
```

```
In [24]:    # no more heading tags
```

```
In [ ]:
```