```
from bs4 import BeautifulSoup
import requests
```

1) Write a python program to display all the header tags from wikipedia.org.

```
In [2]:
           page = requests.get('https://en.wikipedia.org/wiki/Main Page')
          <Response [200]>
Out[2]:
In [3]:
            soup = BeautifulSoup(page.content)
           soup
          <!DOCTYPE html>
Out[3]:
          <html class="client-nojs" dir="ltr" lang="en">
           <head>
           <meta charset="utf-8"/>
          <title>Wikipedia, the free encyclopedia</title>
          <script>document.documentElement.className="client-js";RLCONF={"wgBreakFrames":false,"wgSeparatorTransformTable":
["",""],"wgDigitTransformTable":["",""],"wgDefaultDateFormat":"dmy","wgMonthNames":["","January","February","Marc
h","April","May","June","July","August","September","October","November","December"],"wgRequestId":"947a8155-f7cf
-4300-86f8-dfe6a05a9478","wgCSPNonce";false,"wgCanonicalNamespace":"","wgCanonicalSpecialPageName":false,"wgNames
           paceNumber":0,"wgPageName":"Main_Page","wgTitle":"Main_Page","wgCurRevisionId":1108085777,"wgRevisionId":1108085777,"wgRevisionId":1108085777,"wgArticleId":15580374,"wgIsArticle":true,"wgIsRedirect":false,"wgAction":"view","wgUserName":null,"wgUserGrou
           ps":["*"],"wgPageContentLanguage":"en","wgPageContentLanguage text"],"wgPageContentLanguage":"en","wgPageConten
           tModel":"wikitext","wgRelevantPageName":"Main_Page","wgRelevantArticleId":15580374,"wgIsProbablyEditable":false,
           wgRelevantPageIsProbablyEditable":false,"wgRestrictionEdit":["sysop"],"wgRestrictionMove":["sysop"],
          "wgISMainPage":true, "wgFlaggedRevsParams":{"tags":{"status":{"levels":1}}}, "wgVisualEditor":{"pageLanguageCode":"
en", "pageLanguageDir":"ltr", "pageVariantFallbacks":"en"}, "wgMFDisplayWikibaseDescriptions":{"search":true, "nearby
           ":true,"watchlist":true,"tagline":false},"wgWMESchemaEditAttemptStepOversample":false,"wgWMEPageLength":3000,"wgN
          oticeProject": "wikipedia", "wgVector2022PreviewPages":[], "wgMediaViewerOnClick":true, "wgMediaViewerEnabledByDefaul
          t":true, "wgPopupsFlags":10, "wgULSCurrentAutonym": "English", "wgEditSubmitButtonLabelPublish":true, "wgCentralAuthMo bileDomain":false, "wgULSPosition": "interlanguage", "wgULSisCompactLinksEnabled":true, "wgWikibaseItemId": "Q5296", "G
           EHomepageSuggestedEditsEnableTopics":true,"wgGETopicsMatchModeEnabled":false,"wgGEStructuredTaskRejectionReasonTe
          xtInputEnabled":false};RLSTATE={"ext.globalCssJs.user.styles":"ready","site.styles":"ready","user.styles":"ready"
          "ext.globalCssJs.user":"ready", "user":"ready", "user.options":"loading",
"skins.vector.styles.legacy":"ready", "ext.visualEditor.desktopArticleTarget.noscript":"ready", "ext.wikimediaBadge
s":"ready", "ext.uls.interlanguage":"ready"};RLPAGEMODULES=["site", "mediawiki.page.ready", "skins.vector.legacy.js"
           , "mmv.head", "mmv.bootstrap.autostart", "ext.visualEditor.desktopArticleTarget.init", "ext.visualEditor.targetLoader", "ext.eventLogging", "ext.wikimediaEvents", "ext.navigationTiming", "ext.cx.eventlogging.campaigns", "ext.centralNot
          ice.geoIP", "ext.centralNotice.startUp", "ext.gadget.ReferenceTooltips", "ext.gadget.charinsert", "ext.gadget.extra-toolbar-buttons", "ext.gadget.switcher", "ext.centralauth.centralautologin", "ext.popups", "ext.uls.interface", "ext.gr owthExperiments.SuggestedEditSession"];</script>
           <script>(RLQ=window.RLQ||[]).push(function(){mw.loader.implement("user.options@12s5i",function($,jQuery,require,m
           odule) \\ \{mw.user.tokens.set(\{"patrolToken":"+\\", "watchToken":"+\\", "csrfToken":"+\\"\}); \}); \}); \\ 
           <link href="/w/load.php?lang=en&amp;modules=ext.uls.interlanguage%7Cext.visualEditor.desktopArticleTarget.noscrip</pre>
           t%7Cext.wikimediaBadges%7Cskins.vector.styles.legacy&only=styles&skin=vector" rel="stylesheet"/>
           <script async="" src="/w/load.php?lang=en&amp;modules=startup&amp;only=scripts&amp;raw=1&amp;skin=vector"></scrip</pre>
          <meta content="" name="ResourceLoaderDynamicStyles"/>
           <link href="/w/load.php?lang=en&amp;modules=site.styles&amp;only=styles&amp;skin=vector" rel="stylesheet"/>
           <meta content="MediaWiki 1.40.0-wmf.1" name="generator"/>
           <meta content="origin" name="referrer"/>
           <meta content="origin-when-crossorigin" name="referrer"/>
           <meta content="origin-when-cross-origin" name="referrer"/>
           <meta content="telephone=no" name="format-detection"/>
           <meta content="https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Monza_first_lineup%2C_1912_%28cropped%29</pre>
           .jpg/1200px-Monza_first_lineup%2C_1912_%28cropped%29.jpg" property="og:image"/>
           <meta content="1200" property="og:image:width"/>
          <meta content="928" property="og:image:height"/>
           <meta content="https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Monza first lineup%2C 1912 %28cropped%29</pre>
           .jpg/800px-Monza_first_lineup%2C_1912_%28cropped%29.jpg" property="og:image"/>
           <meta content="800" property="og:image:width"/>
           <meta content="619" property="og:image:height"/>
           <meta content="https://upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Monza_first_lineup%2C_1912_%28cropped%29</pre>
           .jpg/640px-Monza first lineup%2C 1912 %28cropped%29.jpg" property="og:image"/>
           <meta content="640" property="og:image:width"/>
<meta content="495" property="og:image:height"/>
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           <meta content="Wikipedia, the free encyclopedia" property="og:title"/>
           <meta content="website" property="og:type"/>
          <link href="//upload.wikimedia.org" rel="preconnect"/>
           <link href="//en.m.wikipedia.org/wiki/Main Page" media="only screen and (max-width: 720px)" rel="alternate"/>
          <link href="/w/api.php?action=featuredfeed&amp;feed=potd&amp;feedformat=atom" rel="alternate" title="Wikipedia pi</pre>
           cture of the day feed" type="application/atom+xml"/>
           <link href="/w/api.php?action=featuredfeed&amp;feed=featured&amp;feedformat=atom" rel="alternate" title="Wikipedi</pre>
           a featured articles feed" type="application/atom+xml"/>
          <link href="/static/apple-touch/wikipedia.png" rel="apple-touch-icon"/>
```

<link href="/static/favicon/wikipedia.ico" rel="icon"/>

```
<link href="/w/opensearch desc.php" rel="search" title="Wikipedia (en)" type="application/opensearchdescription+x</pre>
ml"/>
<link href="//en.wikipedia.org/w/api.php?action=rsd" rel="EditURI" type="application/rsd+xml"/>
<link href="https://creativecommons.org/licenses/by-sa/3.0/" rel="license"/>
<link href="https://en.wikipedia.org/wiki/Main Page" rel="canonical"/>
<link href="//meta.wikimedia.org" rel="dns-prefetch"/>
<link href="//login.wikimedia.org" rel="dns-prefetch"/>
</head>
<body class="mediawiki ltr sitedir-ltr mw-hide-empty-elt ns-0 ns-subject page-Main_Page rootpage-Main_Page skin-v</pre>
ector action-view skin-vector-legacy vector-toc-not-collapsed vector-feature-language-in-header-enabled vector-fe
ature-language-in-main-page-header-disabled vector-feature-language-alert-in-sidebar-enabled vector-feature-stick
y-header-disabled vector-feature-sticky-header-edit-disabled vector-feature-table-of-contents-disabled vector-fea
ture-visual-enhancement-next-disabled"><div class="noprint" id="mw-page-base"></div>
<div class="noprint" id="mw-head-base"></div>
<div class="mw-body" id="content" role="main">
<a id="top"></a>
<div id="siteNotice"><!-- CentralNotice --></div>
<div class="mw-indicators">
</div>
<h1 class="firstHeading mw-first-heading" id="firstHeading" style="display: none"><span class="mw-page-title-main"</pre>
">Main Page</span></h1>
<div class="vector-body" id="bodyContent">
<div class="noprint" id="siteSub">From Wikipedia, the free encyclopedia</div>
<div id="contentSub"></div>
<div id="contentSub2"></div>
<div id="jump-to-nav"></div>
<a class="mw-jump-link" href="#mw-head">Jump to navigation</a>
<a class="mw-jump-link" href="#searchInput">Jump to search</a>
<div class="mw-body-content mw-content-ltr" dir="ltr" id="mw-content-text" lang="en"><div class="mw-parser-output"</pre>
"><style data-mw-deduplicate="TemplateStyles:r1094834805">.mw-parser-output .mp-box{border:1px solid #aaa;padding
:0 0.5em 0.5em; margin-top:4px}.mw-parser-output .mp-h2,body.skin-timeless .mw-parser-output .mp-h2{border:1px sol
id #aaa;margin:0.5em 0;padding:0.2em 0.4em;font-size:120%;font-weight:bold;font-family:inherit}.mw-parser-output
h2.mp-h2:: a fter\{border: none\}. mw-parser-output \ .mp-later\{font-size: 85\%; font-weight: normal\}. mw-parser-output \ \#mp-toler. mp-later\{font-size: 85\%; font-weight: normal\}. mw-parser-output \ \#mp-toler. mp-toler. m
pbanner{background:#f9f9f9;border-color:#ddd}.mw-parser-output #mp-welcomecount{text-align:center;margin:0.4em}.m
w-parser-output #mp-welcome{font-size:162%;padding:0.1em}.mw-parser-output #mp-welcome h1{font-size:inherit;font-
family:inherit;display:inline;border:none}.mw-parser-output #mp-welcome h1::after{content:none}.mw-parser-output
#mp-free{font-size:95%}.mw-parser-output #articlecount{font-size:85%}.mw-parser-output .mp-contains-float::after{
content:"";display:block;clear:both\.mw-parser-output #mp-banner\background:#fffaf5;border-color:#f2e0ce\.mw-pars
er-output #mp-left{background:#f5fffa;border-color:#cef2e0}.mw-parser-output #mp-left .mp-h2{background:#cef2e0;b
order-color:#a3bfb1}.mw-parser-output #mp-right{background:#f5faff;border-color:#cedff2}.mw-parser-output #mp-rig
ht .mp-h2{background:#cedff2;border-color:#a3b0bf}.mw-parser-output #mp-middle{background:#fff5fa;border-color:#f
2cedd}.mw-parser-output #mp-middle .mp-h2{background:#f2cedd;border-color:#bfa3af}.mw-parser-output #mp-lower{bac
kground:#faf5ff;border-color:#ddcef2}.mw-parser-output #mp-lower .mp-h2{background:#ddcef2;border-color:#afa3bf}.
mw-parser-output #mp-bottom{border-color:#e2e2e2}.mw-parser-output #mp-bottom .mp-h2{background:#eee;border-color
:#ddd}@media(max-width:875px){.mw-parser-output #mp-tfp table,.mw-parser-output #mp-tfp tr,.mw-parser-output #mp-
tfp td,.mw-parser-output #mp-tfp tbody{display:block!important;width:100%!important;box-sizing:border-box}.mw-par
ser-output #mp-tfp tr:first-child td:first-child a{text-align:center;display:table;margin:0 auto}}@media(min-widt
h:875px){.mw-parser-output #mp-upper{display:flex}.mw-parser-output #mp-left{flex:1 1 55%;margin-right:2px}.mw-pa
rser-output #mp-right{flex:1 1 45%;margin-left:2px}}.mw-parser-output div.hlist.inline ul,.mw-parser-output div.h
list.inline li,.mw-parser-output div.hlist.inline{display:inline}</style>
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<div id="mp-welcomecount">
<div id="mp-welcome"><h1><span class="mw-headline" id="Welcome to Wikipedia">Welcome to <a href="/wiki/Wikipedia"
title="Wikipedia">Wikipedia</a></span></hl>,</div>
<div id="mp-free">the <a href="/wiki/Free content" title="Free content">free</a> <a href="/wiki/Encyclopedia" tit
le="Encyclopedia">encyclopedia</a> that <a href="/wiki/Help:Introduction to Wikipedia" title="Help:Introduction t
o Wikipedia">anyone can edit</a>.</div>
<div id="articlecount"><a href="/wiki/Special:Statistics" title="Special:Statistics">6,552,966</a> articles in <a</pre>
href="/wiki/English_language" title="English language">English</a></div>
</div>
</div>
<div id="mp-upper">
<div class="MainPageBG mp-box" id="mp-left">
<h2 class="mp-h2" id="mp-tfa-h2"><span id="From today.27s featured article"></span><span class="mw-headline" id="</pre>
From today's featured article">From today's featured article</span></h2>
<div class="mp-contains-float" id="mp-tfa"><div id="mp-tfa-img" style="float: left; margin: 0.5em 0.9em 0.4em 0em</pre>
<div class="thumbinner mp-thumb" style="background: transparent; border: none; padding: 0; max-width: 159px;">
<a class="image" href="/wiki/File:Monza_first_lineup,_1912_(cropped).jpg" title="Monza's first lineup, 1912"><img</pre>
alt="Monza's first lineup, 1912" data-file-height="1982" data-file-width="2562" decoding="async" height="123" src
="//upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Monza first lineup%2C 1912 %28cropped%29.jpg/159px-Monza fi
rst_lineup%2C_1912_%28cropped%29.jpg" srcset="//upload.wikimedia.org/wikipedia/commons/thumb/d/d8/Monza_first_lin
eup%2C_1912_%28cropped%29.jpg/239px-Monza_first_lineup%2C_1912_%28cropped%29.jpg 1.5x, //upload.wikimedia.org/wik
ipedia/commons/thumb/d/d8/Monza first lineup%2C 1912 %28cropped%29.jpg/318px-Monza first lineup%2C 1912 %28croppe
d%29.jpg 2x" width="159"/></a><div class="thumbcaption" style="padding: 0.25em 0; word-wrap: break-word;">Monza's
first lineup, 1912</div></div>
<b><a href="/wiki/A.C._Monza" title="A.C. Monza">A.C. Monza</a></b> is a professional <a href="/wiki/Association_football" title="Association football">football">football" title="Association football">football</a> club that is based in <a href="/wiki/Monza" title="Monza"></a>
Monza</a>, <a href="/wiki/Lombardy" title="Lombardy">Lombardy</a>, Italy. The team plays in the <a href="/wiki/Se rie_A" title="Serie A">Serie A</a>, the first tier of <a href="/wiki/Italian_football_league_system" title="Itali an football league system">Italian football</a>, following promotion in the <a href="/wiki/2021%E2%80%9322_Serie_
B" title="2021—22 Serie B">2021—22 Serie B</a> season. The club was founded in 1912 <i>(first lineup pictured)</i
>, with its first recorded win on 20 September 1912. On multiple occasions in the 1970s, the club came close to p
romotion to the Serie A, but were twice declared bankrupt, in 2004 and 2015. Following <a href="/wiki/Silvio_Berl" to the Serie A, but were twice declared bankrupt, in 2004 and 2015. Following <a href="/wiki/Silvio_Berl" to the Serie A, but were twice declared bankrupt, in 2004 and 2015." Following <a href="/wiki/Silvio_Berl" to the Serie A, but were twice declared bankrupt, in 2004 and 2015." Following <a href="/wiki/Silvio_Berl" to the Serie A, but were twice declared bankrupt, in 2004 and 2015." Following to the Serie A, but were twice declared bankrupt, in 2004 and 2015. Following the Serie A, but were twice declared bankrupt, in 2004 and 2015. Following the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared bankrupt and the Serie A, but were twice declared by the Serie A, but were twice and the Serie A, but were twith the Serie A, but were twith the Serie A, but were twi
usconi" title="Silvio Berlusconi">Silvio Berlusconi</a>'s 2018 takeover of the club, Monza was promoted to the <a
href="/wiki/Serie_B" title="Serie B">Serie B</a> in 2020 after a 19-year absence; no Italian team had played more
Serie B seasons (\overline{40}) without playing in the Serie A. Monza have won the <a href="/wiki/Coppa Italia Serie C" titl
e="Coppa Italia Serie C">Coppa Italia Serie C</a> a record four times, the <a href="/wiki/Serie_C" title="Serie C
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">Serie C</a> championship four times, and an <a href="/wiki/Anglo-Italian Cup" title="Anglo-Italian Cup">Anglo-I
talian Cup</a>. Monza's colours were initially blue and white but were changed to red and white in 1932; as a res ult, they are nicknamed <span title="Italian-language text"><i lang="it">i biancorossi</i></span> ('the white and
reds'). They have played home matches at the <a href="/wiki/Stadio Brianteo" title="Stadio Brianteo">Stadio Brian
teo</a> since 1988. (<b><a href="/wiki/A.C. Monza" title="A.C. Monza">Full article...</a></b>)
<div class="tfa-recent" style="text-align: right;">
Recently featured: <div class="hlist hlist-separated inline">
<a href="/wiki/Elizabeth_II" title="Elizabeth II">Elizabeth II</a>
<i><a href="/wiki/Rotavirus" title="Rotavirus">Rotavirus</a></i>
<a href="/wiki/NASA Astronaut Group 2" title="NASA Astronaut Group 2">NASA Astronaut Group 2</a>
</div></div>
<div class="hlist hlist-separated tfa-footer noprint" style="text-align:right;">
<b><a href="/wiki/Wikipedia:Today%27s featured article/September 2022" title="Wikipedia:Today's featured" title="Wikipedia:Today" featured</a>
article/September 2022">Archive</a></b>
<b><a class="extiw" href="https://lists.wikimedia.org/postorius/lists/daily-article-l.lists.wikimedia.org/" t</pre>
itle="mail:daily-article-l">By email</a></b>
<br/><br/><a href="/wiki/Wikipedia:Featured articles" title="Wikipedia:Featured articles">More featured articles</a>
</b>
<br/>d>-<a href="/wiki/Wikipedia:About_Today%27s_featured_article" title="Wikipedia:About Today's featured article" title="Wikipedia:About Today"s featured article</a>
">About</a></b>
</div></div>
<h2 class="mp-h2" id="mp-dyk-h2"><span class="mw-headline" id="Did_you_know_...">Did you know ....</span></h2>
<div class="mp-contains-float" id="mp-dyk">
<div class="dyk-img" style="float: right; margin-left: 0.5em;">
<div class="thumbinner mp-thumb" style="background: transparent; border: none; padding: 0; max-width: 93px;">
<a class="image" href="/wiki/File:Shah_Abbas_II,_1663,_Aga_Khan_trust_of_culture.PNG" title="Abbas II of Persia">
<img alt="Abbas II of Persia" data-file-height="947" data-file-width="421" decoding="async" height="209" src="//u</pre>
pload.wikimedia.org/wikipedia/commons/thumb/d/db/Shah Abbas II%2C 1663%2C Aga Khan trust of culture.PNG/93px-Shah
 Abbas_II%2C_1663%2C_Aga_Khan_trust_of_culture.PNG" srcset="//upload.wikimedia.org/wikipedia/commons/thumb/d/db/S
hah Abbas II%2C 1663%2C Aga Khan trust of culture.PNG/140px-Shah Abbas II%2C 1663%2C Aga Khan trust of culture.PN
G 1.5x, //upload.wikimedia.org/wikipedia/commons/thumb/d/db/Shah_Abbas_II%2C_1663%2C_Aga_Khan_trust_of_culture.PN
G/186px-Shah_Abbas_II%2C_1663%2C_Aga_Khan_trust_of_culture.PNG 2x" width="93"/></a><div class="thumbcaption" styl
e="padding: 0.25em 0; word-wrap: break-word;">Abbas II of Persia</div></div>
</div>
that the reign of <b><a href="/wiki/Abbas II of Persia" title="Abbas II of Persia">Abbas II of Persia</a>
</a></b> <i>(pictured)</i> was marked by peace with neighbouring nations, except for <a href="/wiki/Mughal%E2%80%"
93Safavid\_War\_(1649\%E2\%80\%931653)" \ title="Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-Safavid War (1649-1653)" > a war</a> with the <a href="/wiki/Mughal-War (1649-165
l_Empire" title="Mughal Empire">Mughal Empire</a> in 1649 to recover the city of <a href="/wiki/Kandahar" title="Kandahar">Kandahar</a>?
... that <b><a href="/wiki/Green_Valley_State_Park" title="Green Valley State Park">Green Valley State Park/
a></b> in Iowa, which was dedicated exactly 69 years ago, had multiple species of fish added to its <a href="/wik</p>
i/Reservoir" title="Reservoir">artificial lake</a> in 1974?
... that according to Modern Times, a San Francisco-based bookstore collective, if there was only one book th
at you read in 1975 it had to be Canadian author and activist <b><a href="/wiki/Helen Potrebenko" title="Helen Po
trebenko">Helen Potrebenko</a></b><span class="nowrap">'s</span> <i>Taxi!</i><span style="padding-left:0.15em;">?
</span>
... that a <b><a href="/wiki/Duesenberg" title="Duesenberg">Duesenberg</a></b> car was the first American car
to win a <a href="/wiki/French Grand Prix" title="French Grand Prix">French Grand Prix</a>, doing so in 1921?
... that besides <a href="/wiki/Rashtrapati_Nilayam" title="Rashtrapati Nilayam">official retreats in Hyderab
ad</a> and <a href="/wiki/The_Retreat_Building" title="The Retreat Building">in Shimla</a>, the <a href="/wiki/Pr
esident of India" title="President of India">president of India</a> also has <b><a href="/wiki/Rashtrapati Ashian">hashian
a" title="Rashtrapati Ashiana">one in Dehradun</a></b>?
... that actress <b><a href="/wiki/Zita Moulton" title="Zita Moulton">Zita Moulton</a></b> first starred in t
heatre performances after a bet with her fiancé that she would be able to get a stage job within 24 hours?
... that 48 of the 55 British participants in the August 1919 <b><a href="/wiki/Raid_on_Kronstadt" title="Rai</a>
d on Kronstadt">raid on Kronstadt</a></b> received gallantry medals or were <a href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche">href="/wiki/Mentioned_in_dispatche</a>
s" title="Mentioned in dispatches">mentioned in despatches</a>?
... that Malaysian businessman <b><a href="/wiki/Lim Kok Wing" title="Lim Kok Wing">Lim Kok Wing</a></b> was
depicted as "King of Africa"?
<div class="hlist hlist-separated dyk-footer noprint" style="margin-top: 0.5em; text-align: right;">
<b><a href="/wiki/Wikipedia:Recent additions" title="Wikipedia:Recent additions">Archive</a></b>
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/li>
</div>
</div>
</div>
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="Jean-Luc Godard in 1968" class="thumbborder" data-file-height="800" data-file-width="600" decoding="async" heig</pre>
ht="161" src="//upload.wikimedia.org/wikipedia/commons/thumb/f/f9/Jean-Luc_Godard_at_Berkeley%2C_1968.jpg/121px-J
ean-Luc_Godard_at_Berkeley%2C_1968.jpg" srcset="//upload.wikimedia.org/wikipedia/commons/thumb/f/f9/Jean-Luc_Godard_at_Berkeley%2C_1968.jpg/182px-Jean-Luc_Godard_at_Berkeley%2C_1968.jpg 1.5x, //upload.wikimedia.org/wikipedia/c
ommons/thumb/f/f9/Jean-Luc_Godard_at_Berkeley%2C_1968.jpg/242px-Jean-Luc_Godard_at_Berkeley%2C_1968.jpg 2x" width
="121"/></a><div class="thumbcaption" style="padding: 0.25em 0; word-wrap: break-word; text-align: left;">Jean-Lu
c Godard</div></div>
</div>
At least 100 people are killed in <b><a href="/wiki/2022_Kyrgyzstan%E2%80%93Tajikistan_clashes" title="20</pre>
22 Kyrgyzstan-Tajikistan clashes">renewed fighting</a></b> between Kyrgyzstan and Tajikistan.
In the <b><a href="/wiki/2022_Swedish_general_election" title="2022 Swedish general election">Swedish general</a>
election</a></b>, the <a href="/wiki/Sweden Democrats" title="Sweden Democrats">Sweden Democrats</a>-<a href="/wi
ki/Moderate Party" title="Moderate Party">Moderates</a>—<a href="/wiki/Christian Democrats (Sweden)" title="Chris
tian Democrats (Śweden)">Christian Democrats</a>—<a href="/wiki/Liberals_(Sweden)" title="Liberals (Sweden)">Libe
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rals</a> bloc wins a majority of seats in the <a href="/wiki/Riksdag" title="Riksdag">Riksdag</a>.
French-Swiss filmmaker <b><a href="/wiki/Jean-Luc_Godard" title="Jean-Luc Godard">Jean-Luc Godard</a></b> <i>
(pictured)</i> dies at the age of 91.
In television, <i><a href="/wiki/Ted Lasso" title="Ted Lasso">Ted Lasso</a></i> wins <a href="/wiki/Primetime">a href="/wiki/Primetime</a>
_Emmy_Award_for_Outstanding_Comedy_Series" title="Primetime Emmy Award for Outstanding Comedy Series">best comedy </a> and <i><a href="/wiki/Succession_(TV_series)" title="Succession (TV series)">Succession</a> href
="/wiki/Primetime Emmy Award for Outstanding Drama Series" title="Primetime Emmy Award for Outstanding Drama Seri
es">best drama</a> at <b><a href="/wiki/74th Primetime Emmy Awards" title="74th Primetime Emmy Awards">the Primet
ime Emmy Awards</a></b>.
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ist-separated inline">
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eath and state funeral of Elizabeth II</a>
<a href="/wiki/2022_Russian_invasion of_Ukraine" title="2022 Russian invasion of Ukraine">Russian invasion of
Ukraine</a></div></div>
<div><b><a href="/wiki/Deaths in 2022" title="Deaths in 2022">Recent deaths</a></b>: <div class="hlist hlist-sepa</pre>
rated inline">
<a href="/wiki/Valeri_Polyakov" title="Valeri Polyakov">Valeri Polyakov</a><a href="/wiki/Allen_Aylett" title="Allen Aylett">Allen Aylett</a>
<a href="/wiki/John Stearns" title="John Stearns">John Stearns</a>
<a href="/wiki/Harry Booth (coach)" title="Harry Booth (coach)">Harry Booth</a>
<a href="/wiki/Naresh_Kumar_(tennis)" title="Naresh Kumar (tennis)">Naresh Kumar</a>
<a href="/wiki/Shelby Jordan" title="Shelby Jordan">Shelby Jordan</a></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>
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article</a></b>
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ption" style="padding: 0.25em 0; word-wrap: break-word;">L. Ron Hubbard</div></div>
</div>
<a href="/wiki/1260" title="1260">1260</a> - The second of <b><a href="/wiki/Prussian uprisings" title="P</pre>
russian uprisings">two major uprisings</a></b> by the <a href="/wiki/Old_Prussians" title="Old Prussians">Old Prussians
ssians</a>, a <a href="/wiki/Balts" title="Balts">Baltic tribe</a>, began against the <a href="/wiki/Teutonic Ord
er" title="Teutonic Order">Teutonic Knights</a>.
<a href="/wiki/1643" title="1643">1643</a> - <a href="/wiki/First_English_Civil_War" title="First English Civil War">First English Civil War</a>: The <b><a href="/wiki/First_Battle_of_Newbury" title="First Battle of Newbur</pre>
y">First Battle of Newbury</a></b> was fought in <a href="/wiki/Berkshire" title="Berkshire">Berkshire">Berkshire</a>; <a hr
ef="/wiki/Roundhead" title="Roundhead">Parliamentarian</a> forces were allowed to pass <a href="/wiki/Cavalier" t
itle="Cavalier">Royalist</a> troops to retreat the next morning.
<a href="/wiki/1943" title="1943">1943</a> - <a href="/wiki/World War II" title="World War II">World War II</a>
a>: Australian troops led by <a href="/wiki/Gordon_Grimsley_King" title="Gordon Grimsley King">Gordon Grimsley King</a> defeated Imperial Japanese forces at the <b><a href="/wiki/Battle_of_Kaiapit" title="Battle of Kaiapit">Ba
ttle of Kaiapit</a></b> in New Guinea.
<a href="/wiki/1967" title="1967">1967</a> - <a href="/wiki/L. Ron Hubbard" title="L. Ron Hubbard">L. Ron Hub
bard</a> <i>(pictured)</i>, the founder of <a href="/wiki/Scientology" title="Scientology">Scientology</a>, annou
nced the story of <b><a href="/wiki/Xenu" title="Xenu">Xenu</a></b> in a taped lecture sent to all Scientologists
<a href="/wiki/1977" title="1977">1977</a> - <b><a href="/wiki/Petrozavodsk phenomenon" title="Petrozavodsk p
henomenon">A series of celestial phenomena</a></b> of disputed nature was observed in the western Soviet Union, F
inland and Denmark.
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u" title="Masashi Hamauzu">Masashi Hamauzu</a></b> (<abbr title="born">b.</abbr> 1971)
/Erich_Hartmann" title="Erich Hartmann">Erich Hartmann</a></b> (<abbr title="died">d.</abbr> 1993)
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tember">Archive</a></b>
<br/>d>-<a class="extiw" href="https://lists.wikimedia.org/postorius/lists/daily-article-l.lists.wikimedia.org/" t</pre>
itle="mail:daily-article-l">By email</a></b>
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a-file-width="2732" decoding="async" height="314" src="//upload.wikimedia.org/wikipedia/commons/thumb/9/9c/Lunch
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/></a>
<i>><b><a href="/wiki/Lunch atop a Skyscraper" title="Lunch atop a Skyscraper">Lunch atop a Skyscraper</a></b><
/i> is a black-and-white photograph taken on September 20, 1932, of eleven ironworkers sitting on a steel beam 85
0 feet (260 m) above the ground on the sixty-ninth floor of the <a href="/wiki/30 Rockefeller Plaza" title="30 Ro
ckefeller Plaza">RCA Building</a> (30 Rockefeller Plaza), then nearing completion, at <a href="/wiki/Rockefeller_Center" title="Rockefeller Center">Rockefeller Center">Rockefeller Center</a> in <a href="/wiki/Manhattan" title="Manhattan">Manhattan">Manhattan">Manhattan">Manhattan">Manhattan">Manhattan">Manhattan">Manhattan">Manhattan">Manhattan">Manhattan">Manhattan
n</a>, New York City. It was arranged as a <a href="/wiki/Publicity stunt" title="Publicity stunt">publicity stunt">publicity stunt</a>
t</a>, part of a campaign promoting the skyscraper. The photograph was first published in October 1932, during th
e <a href="/wiki/Construction_of_Rockefeller_Center" title="Construction of Rockefeller Center">construction of R
ockefeller Center</a>.
<small>Photograph credit: unknown, possibly <a href="/wiki/Charles Clyde Ebbets" titl</pre>
e="Charles Clvde Ebbets">Charles Clvde Ebbets</a></small>
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Recently featured: <div class="hlist hlist-separated inline">
<a href="/wiki/Template:POTD/2022-09-19" title="Template:POTD/2022-09-19">Women in World War II</a>
<a href="/wiki/Template:POTD/2022-09-18" title="Template:POTD/2022-09-18"><i>Trimeresurus popeiorum</i></a>
$<\text{li}<\text{a href="/wiki/Template:POTD/2022-09-17" title="Template:POTD/2022-09-17"} Distinctive feature </a>
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ive</a></b>
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/snan></h2>
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- The central hub for editors, with resources, links, tasks, and announcements.
<br/><br/><br/>di><br/><br/><br/>di><br/><br/>i><br/><br/>di><br/><br/>di><br/>di><br/>di><br/>dis<br/>di><br/>dia:<br/>village pump">Village pump</br/>pump</br/>Village pump</br/>ob> - Forum for dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<br/>dis<b
cussions about Wikipedia itself, including policies and technical issues.
<b><a href="/wiki/Wikipedia:News" title="Wikipedia:News">Site news</a></b> - Sources of news about Wikipedia
and the broader Wikimedia movement.
using or editing Wikipedia.
<b><a href="/wiki/Wikipedia:Help_desk" title="Wikipedia:Help_desk">Help_desk</a></b> - Ask questions about us
ing or editing Wikipedia.
<br/><br/><a href="/wiki/Wikipedia:Reference desk" title="Wikipedia:Reference desk">Reference desk</a></b> — Ask res
earch questions about encyclopedic topics.
<br/>d>-<a href="/wiki/Wikipedia:Contents/Portals" title="Wikipedia:Contents/Portals">Content portals</a></b> - A
unique way to navigate the encyclopedia.
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lign:center}@media(min-width:360px){.mw-parser-output #sister-projects-list li{width:33%;min-width:20em;white-spa
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dia Foundation">Wikimedia Foundation</a>, a non-profit organization that also hosts a range of other volunteer <a
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NewPP limit report
Parsed by mw2392
 Cached time: 20220920083644
Cache expiry: 3600
Reduced expiry: true
 Complications: []
 CPU time usage: 0.318 seconds
Real time usage: 0.450 seconds
 Preprocessor visited node count: 3943/1000000
Post-expand include size: 115851/2097152 bytes
Template argument size: 9536/2097152 bytes
Highest expansion depth: 18/100
 Expensive parser function count: 13/500
Unstrip recursion depth: 0/20
Unstrip post-expand size: 3979/5000000 bytes
Lua time usage: 0.127/10.000 seconds
Lua memory usage: 15397028/52428800 bytes
Number of Wikibase entities loaded: 0/400
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Transclusion expansion time report (%, ms, calls, template)
 100.00% 339.043
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    42.30%
                                      143.418
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11.11%
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</h3>
<div class="vector-menu-content">
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ist of edits made from this IP address [y]"><span>Contributions</span>class="mw-list-item" id="pt-cr
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to create an account and log in; however, it is not mandatory"><span>Create account</span></a>class="mw-list-item" id="pt-login"><a accesskey="o" href="/w/index.php?title=Special:UserLogin&amp;returnto=Main+Page" title="/w/index.php?title=Special:UserLogin&amp;returnto=Main+Page" title="/w/index.php?title=Special:UserLogin&amp;returnto=Main+Page" title="/w/index.php?title=Special:UserLogin&amp;" title="/w/index.php" t
e="You're encouraged to log in; however, it's not mandatory. [o]"><span>Log in</span></a>
</div>
</nav>
<div id="left-navigation">
<nav aria-labelledby="p-namespaces-label" class="vector-menu mw-portlet mw-portlet-namespaces vector-menu-tabs ve</pre>
ctor-menu-tabs-legacy" id="p-namespaces" role="navigation">
<h3 class="vector-menu-heading" id="p-namespaces-label">
<span class="vector-menu-heading-label">Namespaces</span>
</h3>
<div class="vector-menu-content">
<a accesskey="c" href="</pre>
/wiki/Main Page" title="View the content page [c]"><span>Main Page</span></a><li class="mw-list-item" id="ca
-talk"><a accesskey="t" href="/wiki/Talk:Main Page" rel="discussion" title="Discuss improvements to the content p
age [t]"><span>Talk</span></a>
</div>
</nav>
<nav aria-labelledby="p-variants-label" class="vector-menu mw-portlet mw-portlet-variants emptyPortlet vector-men</pre>
u-dropdown" id="p-variants" role="navigation">
<input aria-haspopup="true" aria-labelledby="p-variants-label" class="vector-menu-checkbox" data-event-name="ui.d
ropdown-p-variants" id="p-variants-checkbox" role="button" type="checkbox"/>
<label aria-label="Change language variant" class="vector-menu-heading" id="p-variants-label">
<span class="vector-menu-heading-label">English</span>
</lahe1>
<div class="vector-menu-content">
</div>
</nav>
</div>
<div id="right-navigation">
<nav aria-labelledby="p-views-label" class="vector-menu mw-portlet mw-portlet-views vector-menu-tabs vector-menu-</pre>
tabs-legacy" id="p-views" role="navigation">
<h3 class="vector-menu-heading" id="p-views-label">
<span class="vector-menu-heading-label">Views</span>
</h3>
<div class="vector-menu-content">
<a href="/w</pre>
iki/Main\_Page"><span>Read</span></a><a accessk ey="e" href="/w/index.php?title=Main\_Page&amp;action=edit" title="This page is protected.
You can view its source [e]"><span>View source</span>class="vector-tab-noicon mw-list-item" id="ca-h
istory"><a accesskey="h" href="/w/index.php?title=Main Page&amp;action=history" title="Past revisions of this pag
e [h]"><span>View history</span></a>
</div>
</nav>
<nav aria-labelledby="p-cactions-label" class="vector-menu mw-portlet mw-portlet-cactions emptyPortlet vector-men</pre>
u-dropdown" id="p-cactions" role="navigation" title="More options">
<input aria-haspopup="true" aria-labelledby="p-cactions-label" class="vector-menu-checkbox" data-event-name="ui.d
ropdown-p-cactions" id="p-cactions-checkbox" role="button" type="checkbox"/>
<label class="vector-menu-heading" id="p-cactions-label">
<span class="vector-menu-heading-label">More</span>
</label>
<div class="vector-menu-content">
</div>
```

</nav>

```
<div class="vector-search-box-vue vector-search-box-show-thumbnail vector-search-box-auto-expand-width vector-sea</pre>
rch-box" id="p-search" role="search">
<div>
< h3 >
<label for="searchInput">Search</label>
</h3>
<form action="/w/index.php" class="vector-search-box-form" id="searchform">
<div class="vector-search-box-inner" data-search-loc="header-navigation" id="simpleSearch">
<input accesskey="f" aria-label="Search Wikipedia" autocapitalize="sentences" class="vector-search-box-input" id=</pre>
"searchInput" name="search" placeholder="Search Wikipedia" title="Search Wikipedia [f]" type="search"/>
<input name="title" type="hidden" value="Special:Search"/>
<input class="searchButton mw-fallbackSearchButton" id="mw-searchButton" name="fulltext" title="Search Wikipedia</pre>
for this text" type="submit" value="Search"/>
<input class="searchButton" id="searchButton" name="go" title="Go to a page with this exact name if it exists" ty</pre>
pe="submit" value="Go"/>
</div>
</form>
</div>
</div>
</div>
</div>
<div id="mw-panel">
<div id="p-logo" role="banner">
<a class="mw-wiki-logo" href="/wiki/Main Page" title="Visit the main page"></a>
<nav aria-labelledby="p-navigation-label" class="vector-menu mw-portlet mw-portlet-navigation vector-menu-portal</pre>
portal" id="p-navigation" role="navigation">
<h3 class="vector-menu-heading" id="p-navigation-label">
<span class="vector-menu-heading-label">Navigation</span>
</h3>
<div class="vector-menu-content">
<a accesskey="z" href="</pre>
/wiki/Main_Page" title="Visit the main page [z]"><span>Main page</span></a><a href="/wiki/Wikipedia:Contents" title="Guides to browsing Wikipedia"><span>Contents</span></a>li><a href="/wiki/Wikipedia:Contents" title="Guides to browsing Wikipedia"><span>Contents</a>
class="mw-list-item" id="n-currentevents"><a href="/wiki/Portal:Current_events" title="Articles related to currentevents"><a href="/wiki/Portal:Current_events"><a href="/wiki/Portal:Current_
t events"><span>Current events</span></a><a accesskey="x" href="/
wiki/Special:Random" title="Visit a randomly selected article [x]"><span>Random article</span></a>class=
"mw-list-item" id="n-aboutsite"><a href="/wiki/Wikipedia:About" title="Learn about Wikipedia and how it works"><s
pan>About Wikipedia</span></a><a href="//en.wikipedia.org/wiki/W
ikipedia:Contact us" title="How to contact Wikipedia"><span>Contact us</span></a>>class="mw-list-item" id
="n-sitesupport"><a href="https://donate.wikimedia.org/wiki/Special:FundraiserRedirector?utm source=donate&amp;ut
m medium=sidebar&utm campaign=C13 en.wikipedia.org&uselang=en" title="Support us by donating to the Wikim
edia Foundation"><span>Donate</span></a>
</div>
</nav>
<nav aria-labelledby="p-interaction-label" class="vector-menu mw-portlet mw-portlet-interaction vector-menu-porta</pre>
l portal" id="p-interaction" role="navigation">
<h3 class="vector-menu-heading" id="p-interaction-label">
<span class="vector-menu-heading-label">Contribute</span>
</h3>
<div class="vector-menu-content">
<a href="/wiki/Help:Contents" title="Gu</pre>
idance on how to use and edit Wikipedia"><span>Help</span><
a href="/wiki/Help:Introduction" title="Learn how to edit Wikipedia"><span>Learn to edit</span></a>class
="mw-list-item" id="n-portal"><a href="/wiki/Wikipedia:Community_portal" title="The hub for editors"><span>Commun
ity portal</span></a><a accesskey="r" href="/wiki/Special:Rece
ntChanges" title="A list of recent changes to Wikipedia [r]"><span>Recent changes</span></a>class="mw-li
st-item" id="n-upload"><a href="/wiki/Wikipedia:File Upload Wizard" title="Add images or other media for use on W
ikipedia"><span>Upload file</span></a>
</div>
</nav>
<nav aria-labelledby="p-tb-label" class="vector-menu mw-portlet mw-portlet-tb vector-menu-portal portal" id="p-tb</pre>
" role="navigation">
<h3 class="vector-menu-heading" id="p-tb-label">
<span class="vector-menu-heading-label">Tools</span>
</h3>
<div class="vector-menu-content">
<a accesskev="i" href="/wiki/S</pre>
pecial:WhatLinksHere/Main_Page" title="List of all English Wikipedia pages containing links to this page [j]"><sp
an>What links here</span>-/a><a accesskey="k" href="/wik
i/Special:RecentChangesLinked/Main Page" rel="nofollow" title="Recent changes in pages linked from this page [k]"
><span>Related changes</span></a><a accesskey="u" href="/wiki/Wikiped
ia:File Upload Wizard" title="Upload files [u]"><span>Upload file</span><li class="mw-list-item" id="t-s
pecialpages"><a accesskey="q" href="/wiki/Special:SpecialPages" title="A list of all special pages [q]"><span>Spe
cial pages</span></a><a href="/w/index.php?title=Main_Page&amp;old"
id=1108085777" title="Permanent link to this revision of this page"><span>Permanent link</span></a>class
="mw-list-item" id="t-info"><a href="/w/index.php?title=Main_Page&amp;action=info" title="More information about
this page"><span>Page information</span></a>class="mw-list-item" id="t-cite"><a href="/w/index.php?title"
=Special:CiteThisPage&page=Main_Page&id=1108085777&wpFormIdentifier=titleform" title="Information on
how to cite this page"><span>Cite this page</span><a accesskey=
"g" href="https://www.wikidata.org/wiki/Special:EntityPage/Q5296" title="Structured data on this page hosted by W
ikidata [q]"><span>Wikidata item</span></a>
</div>
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r-menu-portal portal id="p-coll-print_export" role="navigation">
<h3 class="vector-menu-heading" id="p-coll-print export-label">
<span class="vector-menu-heading-label">Print/export</span>
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</h3>

```
<div class="vector-menu-content">
<a href="/w/index.php?titl")</pre>
e=Special:DownloadAsPdf&page=Main Page&action=show-download-screen" title="Download this page as a PDF fi
le"><span>Download as PDF</span></a><a accesskey="p" href="/w/index.ph
p?title=Main Page&printable=yes" title="Printable version of this page [p]"><span>Printable version</span></a
>
</div>
</nav>
<nav aria-labelledby="p-wikibase-otherprojects-label" class="vector-menu mw-portlet mw-portlet-wikibase-otherproj</pre>
ects vector-menu-portal portal" id="p-wikibase-otherprojects" role="navigation">
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<span class="vector-menu-heading-label">In other projects</span>
</h3>
<div class="vector-menu-content">
<a hre</pre>
f="https://commons.wikimedia.org/wiki/Main_Page" hreflang="en"><span>Wikimedia Commons</span></a>
wb-otherproject-link wb-otherproject-mediawiki mw-list-item"><a href="https://www.mediawiki.org/wiki/MediaWiki" h
reflang="en"><span>MediaWiki</span></a><a
href="https://meta.wikimedia.org/wiki/Main_Page" hreflang="en"><span>Meta-Wiki</span></a><li class="wb-other
project-link wb-otherproject-sources mw-list-item"><a href="https://wikisource.org/wiki/Main_Page" hreflang="en">
<span>Multilingual Wikisource</span></a>
"><a href="https://species.wikimedia.org/wiki/Main Page" hreflang="en"><span>Wikispecies</span></a><li class
="wb-otherproject-link wb-otherproject-wikibooks mw-list-item"><a href="https://en.wikibooks.org/wiki/Main Page"
hreflang="en"><span>Wikibooks</span></a><li class="wb-otherproject-link wb-otherproject-wikidata mw-list-ite
m"><a href="https://www.wikidata.org/wiki/Wikidata:Main_Page" hreflang="en"><span>Wikidata</span></a><li cla
ss="wb-otherproject-link wb-otherproject-wikimania mw-list-item"><a href="https://wikimania.wikimedia.org/wiki/20"
22:Wikimania" hreflang="en"><span>Wikimania</span></a><li class="wb-otherproject-link wb-otherproject-wikine
ws mw-list-item"><a href="https://en.wikinews.org/wiki/Main_Page" hreflang="en"><span>Wikinews</span></a><li
class="wb-otherproject-link wb-otherproject-wikiquote mw-list-item"><a href="https://en.wikiquote.org/wiki/Main P
age" hreflang="en"><span>Wikiquote</span></a><li class="wb-otherproject-link wb-otherproject-wikisource mw-l
ist-item"><a href="https://en.wikisource.org/wiki/Main Page" hreflang="en"><span>Wikisource</span></a>>
ass="wb-otherproject-link wb-otherproject-wikiversity mw-list-item"><a href="https://en.wikiversity.org/wiki/Wiki
versity:Main Page" hreflang="en"><span>Wikiversity</span></a><li class="wb-otherproject-link wb-otherproject
-wikivoyage mw-list-item"><a href="https://en.wikivoyage.org/wiki/Main_Page" hreflang="en"><span>Wikivoyage</span
></a><a href="https://en.wiktionary"><a href="https://en.wiktionary">><a href="https://en.wiktionary">><a href="https://en.wiktionary">><a href="https://en.wiktionary">><a href="https://en.wiktionary">><
.org/wiki/Wiktionary:Main Page" hreflang="en"><span>Wiktionary</span></a>
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n></a><a class="interlanguage-link-target" href="ht
tps://bn.wikipedia.org/wiki/" hreflang="bn" lang="bn" title="Bangla"><span>वाःला</span></a><li class="interla
nguage-link interwiki-bg mw-list-item"><a class="interlanguage-link-target" href="https://bg.wikipedia.org/wiki/"
hreflang="bg" lang="bg" title="Bulgarian"><span>Български</span></a><li class="interlanguage-link interwiki-
bs mw-list-item"><a class="interlanguage-link-target" href="https://bs.wikipedia.org/wiki/" hreflang="bs" lang="b
s" title="Bosnian"><span>Bosanski</span></a><a clas
s="interlanguage-link-target" href="https://ca.wikipedia.org/wiki/" hreflang="ca" lang="ca" title="Catalan"><span
>Català</span></a>class="interlanguage-link interwiki-cs mw-list-item"><a class="interlanguage-link-targ"><a cla
et" href="https://cs.wikipedia.org/wiki/" hreflang="cs" lang="cs" title="Czech"><span>Čeština</span></a>
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dia.org/wiki/" hreflang="da" lang="da" title="Danish"><span>Dansk</span></a><li class="interlanguage-link in
terwiki-de mw-list-item"><a class="interlanguage-link-target" href="https://de.wikipedia.org/wiki/" hreflang="de"
lang="de" title="German"><span>Deutsch</span></a><a
class="interlanguage-link-target" href="https://et.wikipedia.org/wiki/" hreflang="et" lang="et" title="Estonian">
<span>Eesti</span></a><a class="interlanguage-link-</pre>
target" href="https://el.wikipedia.org/wiki/" hreflang="el" lang="el" title="Greek"><span>Eλληνικά</span></d>
><a class="interlanguage-link-target" href="https://es.w</pre>
ikipedia.org/wiki/" hreflang="es" lang="es" title="Spanish"><span>Español</span></a>link interwiki-eo mw-list-item"><a class="interlanguage-link-target" href="https://eo.wikipedia.org/wiki/" hrefl
ang="eo" lang="eo" title="Esperanto"><span>Esperanto</span></a><li class="interlanguage-link interwiki-eu mw
-list-item"><a class="interlanguage-link-target" href="https://eu.wikipedia.org/wiki/" hreflang="eu" lang="eu" ti
tle="Basque"><span>Euskara</span></a>><a class="interlanguage-link interwiki-fa mw-list-item"><a class="interlanguage-link interlanguage-link interwiki-fa mw-list-item"><a class="interlanguage-link interlanguage-link interlanguage-l
rlanguage-link-target" href="https://fa.wikipedia.org/wiki/" hreflang="fa" lang="fa" title="Persian"><span>فارسد
/span></a><a class="interlanguage-link-target" href
="https://fr.wikipedia.org/wiki/" hreflang="fr" lang="fr" title="French"><span>Français</span></a><li class=
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g/wiki/" hreflang="gl" lang="gl" title="Galician"><span>Galego</span></a><li class="interlanguage-link inter
wiki-ko mw-list-item"><a class="interlanguage-link-target" href="https://ko.wikipedia.org/wiki/" hreflang="ko" la
ng="ko" title="Korean"><span>한국어</span></a><a cla
ss="interlanguage-link-target" href="https://hr.wikipedia.org/wiki/" hreflang="hr" title="Croatian"><sp
an>Hrvatski</span></a><a class="interlanguage-link-
target" href="https://id.wikipedia.org/wiki/" hreflang="id" lang="id" title="Indonesian"><span>Bahasa Indonesia</
span></a>class="interlanguage-link interwiki-it mw-list-item"><a class="interlanguage-link-target" href=
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"interlanguage-link interwiki-he mw-list-item"><a class="interlanguage-link-target" href="https://he.wikipedia.or
g/wiki/" hreflang="he" lang="he" title="Hebrew"><span>n>n=n=v</span></a><li class="interlanguage-link interwik
i-ka mw-list-item"><a class="interlanguage-link-target" href="https://ka.wikipedia.org/wiki/" hreflang="ka" lang=
"ka" title="Georgian"><span>ქართუღი</span></a><a cl
ass="interlanguage-link-target" href="https://lv.wikipedia.org/wiki/" hreflang="lv" lang="lv" title="Latvian"><sp
an>Latviešu</span></a><a class="interlanguage-link-
target" href="https://lt.wikipedia.org/wiki/" hreflang="lt" lang="lt" title="Lithuanian"><span>Lietuvių</span></a
><a class="interlanguage-link-target" href="https:/
/hu.wikipedia.org/wiki/" hreflang="hu" lang="hu" title="Hungarian"><span>Magyar</span></a><li class="interla
```

```
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hreflang="mk" lang="mk" title="Macedonian"><span>Maкедонски</span><span>Maкедонски</span>
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"ms" title="Malay"><span>Bahasa Melayu</span></a><a
class="interlanguage-link-target" href="https://nl.wikipedia.org/wiki/" hreflang="nl" lang="nl" title="Dutch"><sp
an>Nederlands</span></a><a class="interlanguage-link interwiki-ja mw-list-item"><a class="interlanguage-link interlanguage-link interwiki-ja mw-list-item"><a class="interlanguage-link interlanguage-link interlang
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.wikipedia.org/wiki/" hreflang="nb" lang="nb" title="Norwegian Bokmål"><span>Norsk bokmål</span></a>
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org/wiki/" hreflang="nn" lang="nn" title="Norwegian Nynorsk"><span>Norsk nynorsk</span></a>class="interl
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   hreflang="pl" lang="pl" title="Polish"><span>Polski</span></a><li class="interlanguage-link interwiki-pt m
w-list-item"><a class="interlanguage-link-target" href="https://pt.wikipedia.org/wiki/" hreflang="pt" lang="pt" t
itle="Portuguese"><span>Portuguese/ss/span></a><a class="interlanguage-link interwiki-ro mw-list-item"><a class="interlanguage-link interlanguage-link interwiki-ro mw-list-item"><a class="interlanguage-link interlanguage-link int
s="interlanguage-link-target" href="https://ro.wikipedia.org/wiki/" hreflang="ro" lang="ro" title="Romanian"><spa
n>Română</span></a><a class="interlanguage-link-tar"
get" href="https://ru.wikipedia.org/wiki/" hreflang="ru" lang="ru" title="Russian"><span>Pycский</span><
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></a><a class="interlanguage-link-target" href="htt
ps://sk.wikipedia.org/wiki/" hreflang="sk" lang="sk" title="Slovak"><span>Slovenčina</span></a>class="in terlanguage-link interwiki-sl mw-list-item"><a class="interlanguage-link-target" href="https://sl.wikipedia.org/w
iki/" hreflang="sl" lang="sl" title="Slovenian"><span>Slovenščina</span></a><li class="interlanguage-link in
terwiki-sr mw-list-item"><a class="interlanguage-link-target" href="https://sr.wikipedia.org/wiki/" hreflang="sr"
lang="sr" title="Serbian"><span>Српски / srpski</span></a><li class="interlanguage-link interwiki-sh mw-list
-item"><a class="interlanguage-link-target" href="https://sh.wikipedia.org/wiki/" hreflang="sh" lang="sh" title="
Serbo-Croatian"><span>Srpskohrvatski / српскохрватски</span></a><li class="interlanguage-link interwiki-fi m
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itle="Finnish"><span>Suomi</span></a>class="interlanguage-link interwiki-sv mw-list-item"><a class="interlanguage-link interlanguage-link interwiki-sv mw-list-item"><a class="interlanguage-link interviki-sv mw-list-item"><a class="interlanguage-
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ef="https://th.wikipedia.org/wiki/" hreflang="th" lang="th" title="Thai"><span>\ทย</span></a><li class="inte
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i/" hreflang="tr" lang="tr" title="Turkish"><span>Türkçe</span><li class="interlanguage-link interwiki-u
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lass="interlanguage-link-target" href="https://vi.wikipedia.org/wiki/" hreflang="vi" lang="vi" title="Vietnamese"
><span>Tiếng Việt</span></a><a class="interlanguage
-link-target" href="https://zh.wikipedia.org/wiki/" hreflang="zh" lang="zh" title="Chinese"><span>中文</span></a>
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> (UTC)</span>.
id="footer-info-copyright">Text is available under the <a href="//en.wikipedia.org/wiki/Wikipedia:Text of Cre</pre>
ative_Commons_Attribution-ShareAlike_3.0_Unported_License" rel="license">Creative Commons Attribution-ShareAlike
License 3.0</a><a href="//creativecommons.org/licenses/by-sa/3.0/" rel="license" style="display:none;"></a>;
additional terms may apply. By using this site, you agree to the <a href="//foundation.wikimedia.org/wiki/Terms"
of Use">Terms of Use</a> and <a href="//foundation.wikimedia.org/wiki/Privacy_policy">Privacy Policy</a>. Wikiped
ia® is a registered trademark of the <a href="//www.wikimediafoundation.org/">Wikimedia Foundation, Inc.</a>, a n
on-profit organization.
ul id="footer-places">
<a href="https://foundation.wikimedia.org/wiki/Privacy_policy">Privacy policy</a><</pre>
/li>
id="footer-places-about"><a href="/wiki/Wikipedia:About">About Wikipedia</a>
<a href="/wiki/Wikipedia:General disclaimer">Disclaimers</a>
<a href="//en.wikipedia.org/wiki/Wikipedia:Contact us">Contact Wikipedia</a>
<a class="noprint stopMobileRedirectToggle" href="//en.m.wikipedia.org/w/index.</pre>
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atement</a>
<a href="https://wikimediafoundation.org/"><img alt="Wikimedia Foundation" height="3</pre>
1" loading="lazy" src="/static/images/footer/wikimedia-button.png" srcset="/static/images/footer/wikimedia-button-1.5x.png 1.5x, /static/images/footer/wikimedia-button-2x.png 2x" width="88"/></a>
<a href="https://www.mediawiki.org/"><img alt="Powered by MediaWiki" height="31" loa</pre>
ding="lazy" src="/static/images/footer/poweredby_mediawiki_88x31.png" srcset="/static/images/footer/poweredby_med
iawiki_132x47.png 1.5x, /static/images/footer/poweredby_mediawiki_176x62.png 2x" width="88"/></a>
</fonter>
<script>(RLQ=window.RLQ||[]).push(function(){mw.config.set({"wgPageParseReport":{"limitreport":{"cputime":"0.318"
,"walltime":"0.450","ppvisitednodes":{"value":3943,"limit":1000000},"postexpandincludesize":{"value":115851,"limit":2097152},"templateargumentsize":{"value":9536,"limit":2097152},"expansiondepth":{"value":18,"limit":100},"expe
nsivefunctioncount":{"value":13,"limit":5000}, 'unstrip-depth":{"value":0,"limit":20}, "unstrip-size":{"value":3979, "limit":5000000}, "entityaccesscount":{"value":0,"limit":400}, "timingprofile":["100.00% 339.043 1 -total"," 42.30% 143.418 1 Wikipedia:Today's_feature":de/September_20,_2022"," 30.05% 101.892 1 Template:L
                                                                                                                                                                                    1 Template:L
ang"," 27.64%
                                     21 1 Wikipedia:Main_Page/Tomorrow"," 19.59%
8 Template:Str_number/trim"," 12.05% 40.855
                                                                                                                            66.402
                          93.721
                                                                                                                                                    8 Template:Main_page_image"
                                                                                                                               1 Template:Did_you_know/Queue/5"," 11.11%
14.03%
                47.566
37.678
                     2 Template:Main_page image/TFA"," 10.34% 35.045
                                                                                                                     2 Template:Wikipedia languages", 9.58%
                1 Template:DYKbotdo"]}, "scribunto":{"limitreport-timeusage":{"value":"0.127", "limit":"10.000"}, "limitrep
489
```

```
<script type="application/ld+json">{"@context":"https:\/\/schema.org","@type":"Article","name":"Main Page","url":
"https:\/\/en.wikipedia.org\/wiki\/Main_Page","sameAs":"http:\/\/www.wikidata.org\/entity\/Q5296","mainEntity":"h
           ttp:\/\/www.wikidata.org\/entity\/05296", "author":{"@type":"Organization", "name":"Contributors to Wikimedia projects"}, "publisher":{"@type":"Organization", "name":"Wikimedia Foundation, Inc.", "logo":{"@type":"ImageObject", "url"
           :"https:\/\/www.wikimedia.org\/static\/images\/wmf-hor-googpub.png"}}, "datePublished":"2002-01-26T15:28:12Z", "dat
           eModified":"2022-09-02T13:05:06Z","image":"https:\/\/upload.wikimedia.org\/wikipedia\/commons\/d\/dd\/Monza_first _lineup%2C_1912_%28cropped%29.jpg","headline":"Wikimedia project page"}</script><script type="application/ld+json">{"@context":"https:\/\/schema.org","@type":"Article","name":"Main Page","url":"https:\/\/en.wikipedia.org\/wiki
           \/Main Page","sameAs":"http:\/\/www.wikidata.org\/entity\/Q5296","mainEntity":"http:\/\/www.wikidata.org\/entity\
           /Q5296", "author":{"@type":"Organization", "name":"Contributors to Wikimedia projects"}, "publisher":{"@type":"Organ
           ization", "name": "Wikimedia Foundation, Inc.", "logo": {"@type": "ImageObject", "url": "https:\/\/www.wikimedia.org\/static\/images\/wmf-hor-googpub.png"}}, "datePublished": "2002-01-26T15:28:12Z", "dateModified": "2002-09-02T13:05:06Z"
           ,"image":"https:\/\/upload.wikimedia.org\/wikipedia\/commons\/d\/d8\/Monza_first_lineup%2C_1912_%28cropped%29.jpg
","headline":"Wikimedia project page"}</script>
           <script>(RLQ=window.RLQ||[]).push(function(){mw.config.set({"wgBackendResponseTime":101,"wgHostname":"mw2379"});}
           );</script>
           </body>
           </html>
In [19]:
            list headers = ['h1', 'h2', 'h3']
            headers = soup.find all(list headers)
            headers
Out[19]: [<hl class="firstHeading mw-first-heading" id="firstHeading" style="display: none"><span class="mw-page-title-mai
           n">Main Page</span></h1>
            <hl><span class="mw-headline" id="Welcome_to_Wikipedia">Welcome to <a href="/wiki/Wikipedia" title="Wikipedia">W
           ikipedia</a></span></h1>,
            <h2 class="mp-h2" id="mp-tfa-h2"><span id="From today.27s featured article"></span><span class="mw-headline" id=</pre>
           "From today's featured article">From today's featured article</span></h2>,
            <h2 class="mp-h2" id="mp-dyk-h2"><span class="mw-headline" id="Did_you_know ...">Did you know ...</span></h2>,
<h2 class="mp-h2" id="mp-itn-h2"><span class="mw-headline" id="In_the_news">In the news</span></h2>,
            <h2 class="mp-h2" id="mp-otd-h2"><span class="mw-headline" id="0n this day">0n this day</span></h2>,
            <h2 class="mp-h2" id="mp-tfp-h2"><span id="Today.27s_featured_picture"></span><span class="mw-headline" id="Toda</pre>
           y's featured_picture">Today's featured picture</span></h2>,
            <h2 class="mp-h2" id="mp-other"><span class="mw-headline" id="0ther areas of Wikipedia">0ther areas of Wikipedia
           </span></h2>.
            <h2 class="mp-h2" id="mp-sister"><span id="Wikipedia.27s_sister_projects"></span><span class="mw-headline" id="W</pre>
           ikipedia's_sister_projects">Wikipedia's sister projects</span></h2>,
<h2 class="mp-h2" id="mp-lang"><span class="mw-headline" id="Wikipedia_languages">Wikipedia languages</span></h2
            <h2>Navigation menu</h2>,
            <h3 class="vector-menu-heading" id="p-personal-label">
            <span class="vector-menu-heading-label">Personal tools</span>
            </h3>.
            <h3 class="vector-menu-heading" id="p-namespaces-label">
            <span class="vector-menu-heading-label">Namespaces</span>
            </h3>.
            <h3 class="vector-menu-heading" id="p-views-label">
             <span class="vector-menu-heading-label">Views</span>
            </h3>,
            <h3>
            <label for="searchInput">Search</label>
            </h3>
            <h3 class="vector-menu-heading" id="p-navigation-label">
            <span class="vector-menu-heading-label">Navigation</span>
            <h3 class="vector-menu-heading" id="p-interaction-label">
            <span class="vector-menu-heading-label">Contribute</span>
            </h3>.
            <h3 class="vector-menu-heading" id="p-tb-label">
            <span class="vector-menu-heading-label">Tools</span>
            </h3>
            <h3 class="vector-menu-heading" id="p-coll-print export-label">
            <span class="vector-menu-heading-label">Print/export</span>
            </h3>.
            <h3 class="vector-menu-heading" id="p-wikibase-otherprojects-label">
            <span class="vector-menu-heading-label">In other projects</span>
            </h3>.
            <h3 class="vector-menu-heading" id="p-lang-label">
            <span class="vector-menu-heading-label">Languages</span>
            </h3>1
```

ort-memusage":{"value":15397028,"limit":52428800}},"cachereport":{"origin":"mw2392","timestamp":"20220920083644",

"ttl":3600, "transientcontent":true}}});});</script>

2) Write a python program to display IMDB's Top rated 100 movies' data (i.e. name, rating, year of release) and make data frame

```
In [20]:
    page = requests.get('https://www.imdb.com/search/title/?groups=top_100&sort=user_rating,desc')
    page
```

```
In [21]: soup = BeautifulSoup(page.content)
In [25]: soup.find('title')
Out[25]: <title>IMDb "Top 100"
(Sorted by IMDb Rating Descending) - IMDb</title>
```

```
'The Godfather',
'The Dark Knight',
'The Lord of the Rings: The Return of the King',
"Schindler's List"]
```

```
In [49]:
    rating = []
    for i in soup.find_all('div',class_="inline-block ratings-imdb-rating"):
        rating.append(i.get_text().replace('\n',''))
    rating[:5] # The first top 5 ratings
```

```
Out[49]: ['9.3', '9.2', '9.0', '9.0', '9.0']
```

```
in [55]:
    year_of_release = []

for i in soup.find_all('span',class_="lister-item-year text-muted unbold"):
        year_of_release.append(i.get_text().strip()[1:5])

year_of_release[:5] # Top 5 release years
```

```
Out[55]: ['1994', '1972', '2008', '2003', '1993']
```

Out[57]:

```
import pandas as pd
imdb = pd.DataFrame({'Name':names,'Rating':rating,'year_of_release':year_of_release})
imdb.head()
```

	Name	Rating	year_or_release
0	The Shawshank Redemption	9.3	1994
1	The Godfather	9.2	1972
2	The Dark Knight	9.0	2008
3	The Lord of the Rings: The Return of the King	9.0	2003
4	Schindler's List	9.0	1993

3) Write a python program to display IMDB's Top rated 100 Indian movies' data (i.e. name, rating, year of release) and make data frame.

```
In [114... page = requests.get('https://www.imdb.com/india/top-rated-indian-movies/')
page
Out[114... <Response [200]>
In [115... soup = BeautifulSoup(page.content)
```

```
In [116...
           # print(soup.prettify()) # to see the content clearly
In [119...
           names = []
           for i in soup.find_all('td',class_="titleColumn"):
               names.append(i.get_text().replace('\n','').split('.')[1]) # I have remove the /n and reduced the blank space
           names[:5] # printing only top 5 movies
                   Rocketry: The Nambi Effect(2022)',
Out[119...
                   Anbe Sivam(2003)',
                   Jai Bhim(2021)',
                   Nayakan (1987) '
                  Golmaal(1979)']
In [120...
           ratings = []
           for i in soup.find all('td',class ="ratingColumn imdbRating"):
               ratings.append(i.get_text().replace('\n','')) # I have used replace method to remove \n
           ratings[:5] # printed the top 5 ratings
          ['8.5', '8.4', '8.4', '8.4', '8.4']
Out[120...
In [121...
           year_of_release = []
           for i in soup.find all('span',class ="secondaryInfo"):
               year_of_release.append(i.get_text().strip()[1:5]) # i have used the strip method to remove the parenthesis
           year of release[:5] # printing the top 5 years
          ['2022', '2003', '2021', '1987', '1979']
Out[121...
In [122...
           ind imdb = pd.DataFrame({'name':names,'rating':ratings,'year of release':year of release})
           ind imdb.head()
Out[122...
                                 name rating year_of_release
          0 Rocketry: The Nambi Effect(2022)
                                          8.5
                                                       2022
                                                       2003
          1
                        Anbe Sivam(2003)
                                          8.4
          2
                           Jai Bhim(2021)
                                          8.4
                                                       2021
                                                       1987
                          Nayakan(1987)
                                          8.4
                                                       1979
                           Golmaal(1979)
          4
                                          8 4
         4) Write s python program to display list of respected former presidents of India(i.e. Name, Term of office) from
         https://presidentofindia.nic.in/former-presidents.htm
In [93]:
           page = requests.get('https://presidentofindia.nic.in/former-presidents.htm')
          <Response [200]>
Out[93]:
In [94]:
           soup = BeautifulSoup(page.content)
In [104...
           for i in soup.find_all('div',class_="presidentListing"):
               names.append(i.find('h3').text.split('(')[0]) # we have used split to seperate the dob and name
           names
         ['Shri Ram Nath Kovind ', 'Shri Pranab Mukherjee'
Out[104...
           'Smt Pratibha Devisingh Patil',
           'DR. A.P.J. Abdul Kalam
           'Shri K. R. Narayanan ',
           'Dr Shankar Dayal Sharma ',
```

```
'Giani Zail Singh '
           'Shri Neelam Sanjiva Reddy 'Dr. Fakhruddin Ali Ahmed ',
            'Shri Varahagiri Venkata Giri ',
           'Dr. Zakir Husain '
           'Dr. Sarvepalli Radhakrishnan ',
           'Dr. Rajendra Prasad ']
In [102...
           term = []
           for i in soup.find_all('div',class_="presidentListing"):
               term.append(i.find('p').text.split(':')[1])
           term
          [' 25 July, 2017 to 25 July, 2022
             25 July, 2012 to 25 July, 2017
             25 July, 2007 to 25 July, 2012
             25 July, 2002 to 25 July, 2007
             25 July, 1997 to 25 July, 2002
             25 July, 1992 to 25 July, 1997
           ' 25 July, 1987 to 25 July, 1992
             25 July, 1982 to 25 July, 1987
             25 July, 1977 to 25 July, 1982
           ' 24 August, 1974 to 11 February, 1977',
             3 May, 1969 to 20 July, 1969 and 24 August, 1969 to 24 August, 1974',
           ' 13 May, 1967 to 3 May, 1969'
           ' 13 May, 1962 to 13 May, 1967'
           ' 26 January, 1950 to 13 May, 1962']
In [105...
           print(len(names),len(term))
          14 14
In [106...
           president_df = pd.DataFrame({'Name':names,'Term of Office':term})
           president_df.head()
                                               Term of Office
Out[106...
                              Name
                  Shri Ram Nath Kovind 25 July, 2017 to 25 July, 2022
                 Shri Pranab Mukherjee 25 July, 2012 to 25 July, 2017
          2 Smt Pratibha Devisingh Patil 25 July, 2007 to 25 July, 2012
                DR. A.P.J. Abdul Kalam 25 July, 2002 to 25 July, 2007
                  Shri K. R. Narayanan 25 July, 1997 to 25 July, 2002
```

'Shri R Venkataraman ',

- 6) Write a python program to scrape cricket rankings from icc-cricket.com. You have to scrape:
- a) Top 10 ODI teams in women's cricket along with the records for matches, points and rating.

```
'India',
           'New Zealand',
           'West Indies',
           'Bangladesh',
           'Pakistan',
           'Ireland',
           'Sri Lanka',
           'Zimbabwe']
In [127...
          matches = []
          for i in soup.find_all('td',class_="rankings-block_banner--matches"):
               matches.append(i.text)
          matches
Out[127... ['29']
In [134...
          matches_points_info = []
           data = soup.find all("td",class ="table-body cell u-center-text")
          for i in data:
               matches_points_info.append(i.text)
In [135...
          matches_points_info # here the matches and points are stored together and we should iterate through this in even
Out[135... ['34', '4,097',
           '35'
           '4,157',
           '33',
           '3,392',
           '32',
           '3,161',
           '31',
           '2,815',
           '12',
'930',
           '30',
           '1,962',
           '11',
           '516',
           '11',
           '495<sup>'</sup>,
           '8',
           '0']
In [138...
          # MATCHES
          for i in range(0,len(matches_points_info),2):
               matches.append((matches_points_info[i]))
          ['29', '34', '35', '33', '32', '31', '12', '30', '11', '11', '8']
Out[138...
In [141...
          #POINTS
          points = []
          for i in soup.find_all('td',class_="rankings-block_banner--points"):
               points.append(i.text)
          points
Out[141... ['4,837']
In [142...
          # similary we iterate through matches_points_info, in odd indexing to find points
          for i in range(1,len(matches_points_info),2):
               points.append((matches_points_info[i]))
          points
```

```
Out[142... ['4,837',
'4,097',
           '4,157',
           '3,392'
           '3,161',
           '2,815',
           '930',
           '1,962',
           '516',
           '495',
           '0']
In [151...
           #RATINGS
           ratings = []
           for i in soup.find all('td',class ="rankings-block banner--rating u-text-right"):
               ratings.append(i.get_text().replace('\n','').strip(' ')) # We have use replace to remove \n and strip to remove
           ratings # we can extract only one rating
Out[151... ['167']
In [152...
            # rest of the ratings are together in another class
           # so we have to find these and add the first rating
           ratings_info = soup.find_all('td',class_="table-body__cell u-text-right rating")
           for i in ratings_info:
               ratings.append(i.text)
         ['167', '121', '119', '103', '99', '91', '78', '65', '47', '45', '0']
In [155...
           # TOP 10 ODI TEAMS WOMEN
           women odi rankings = pd.DataFrame({'Team':team, 'Matches':matches, 'Points':points, 'Ratings':ratings})
           women_odi_rankings
                   Team Matches Points Ratings
           0
                                            167
                 Australia
                              29
                                  4.837
                 England
                              34
                                  4,097
                                            121
              South Africa
                              35
                                  4,157
                                            119
           3
                              33
                                  3.392
                                            103
                    India
           4 New Zealand
                              32
                                  3,161
                                            99
                              31
                                  2,815
                                             91
               West Indies
                                             78
           6
              Bangladesh
                              12
                                    930
           7
                 Pakistan
                              30
                                  1,962
                                             65
           8
                              11
                                    516
                                             47
           9
                Sri Lanka
                                    495
                                             45
                              11
          10
                Zimbabwe
                               8
                                      0
                                             0
```

b) Top 10 women's ODI Batting players along with the records of their team and rating.

```
In [156... page = requests.get('https://www.icc-cricket.com/rankings/womens/player-rankings/odi/batting')
Out[156... <Response [200]>
In [157... soup = BeautifulSoup(page.content)
In [179... player = []
    for i in soup.find_all('div',class_="rankings-block_banner--name-large"):
        player.append(i.text)
    player
Out[179... ['Alyssa Healy']
```

```
In [180...
          sec_info = soup.find_all('td',class_="table-body__cell rankings-table__name name")
          for i in sec_info[:10]:
               player.append(i.text.replace('\n',''))
          player
Out[180... ['Alyssa Healy',
           'Beth Mooney'
           'Natalie Sciver'
           'Laura Wolvaardt',
           'Meg Lanning',
           'Rachael Haynes',
           'Smriti Mandhana'
           'Amy Satterthwaite',
           'Harmanpreet Kaur'
           'Chamari Athapaththu',
           'Tammy Beaumont']
In [187...
           country = []
          for i in soup.find all('div',class ="rankings-block banner--nationality"):
              country.append(i.get_text().replace('/n','').split()[0])
          country
Out[187... ['AUS']
In [188...
           country_info = soup.find_all('span',class_="table-body__logo-text")
          for i in country_info[:10]:
               country.append(i.text.replace('/n',''))
          country
          ['AUS', 'AUS', 'ENG', 'SA', 'AUS', 'AUS', 'IND', 'NZ', 'IND', 'SL', 'ENG']
Out[188...
In [189...
           rating = []
          for i in soup.find_all('div',class_="rankings-block_banner--rating"):
               rating.append(i.text)
           rating
         ['785']
Out[189...
In [190...
           rating info = soup.find all('td',class = "table-body cell rating")
          for i in rating_info[:10]:
               rating.append(i.text)
           rating
         ['785', '749', '740', '732', '710', '701', '698', '681', '662', '655', '645']
In [191...
          # Top 10 WOMEN'S BATTING RANKINGS
          women batting = pd.DataFrame({'Player':player,'Country':country,'Rating':rating})
          women_batting
                        Player Country Rating
           0
                   Alyssa Healy
                                 AUS
                                         785
           1
                   Beth Mooney
                                 AUS
                                        749
           2
                   Natalie Sciver
                                 ENG
                                         740
           3
                 Laura Wolvaardt
                                  SA
                                        732
           4
                   Meg Lanning
                                 AUS
                                        710
           5
                 Rachael Haynes
                                 AUS
                                        701
           6
                Smriti Mandhana
                                  IND
                                         698
                Amy Satterthwaite
                                  ΝZ
                                         681
               Harmanpreet Kaur
                                  IND
                                         662
```

```
9 Chamari Athapaththu SL 65510 Tammy Beaumont ENG 645
```

c) Top 10 women's ODI all-rounder along with the records of their team and rating.

```
In [217...
          page = requests.get('https://www.icc-cricket.com/rankings/womens/player-rankings/odi/all-rounder')
          page
         <Response [200]>
Out[217...
In [218...
          soup = BeautifulSoup(page.content)
In [226...
          player = []
          for i in soup.find_all('div',class_="rankings-block_banner--name-large"):
              player.append(i.text)
Out[226... ['Ellyse Perry']
In [227...
          player info = soup.find all('td',class = "table-body cell rankings-table name name")
          for i in player_info[:10]:
              player.append(i.text.replace('\n',''))
          player
Out[227... ['Ellyse Perry',
           'Natalie Sciver',
           'Marizanne Kapp'
           'Hayley Matthews',
           'Amelia Kerr'
           'Deepti Sharma'
           'Ashleigh Gardner',
           'Jess Jonassen',
'Jhulan Goswami',
           'Sophie Ecclestone',
           'Katherine Brunt']
In [230...
          country = []
          for i in soup.find_all('div',class_="rankings-block_banner--nationality"):
              country.append(i.text.replace('\n','').split()[0])
          country
         ['AUS']
Out[230...
In [231...
          country info = soup.find all('span',class ="table-body logo-text")
          for i in country_info[:10]:
              country.append(i.text.replace('\n',''))
         ['AUS', 'ENG', 'SA', 'WI', 'NZ', 'IND', 'AUS', 'AUS', 'IND', 'ENG', 'ENG']
Out[231...
In [232...
           rating = []
          for i in soup.find all('div',class ="rankings-block banner--rating"):
               rating.append(i.text)
           rating
Out[232... ['374']
In [234...
           rating_info = soup.find_all('td',class_="table-body__cell rating")
          for i in rating info[:10]:
               rating.append(i.text)
```

```
['374', '372', '349', '339', '336', '271', '270', '246', '219', '217', '215']
Out[234...
In [235...
           # TOP 10 WOMEN ALLROUNDERS
           women_allrounders = pd.DataFrame({'Player':player,'Country':country,'Rating':rating})
           women_allrounders
                       Player Country Rating
Out[235...
           0
                   Ellyse Perry
                                 AUS
                                         374
                  Natalie Sciver
                                 ENG
                                         372
                                  SA
                                         349
           2
               Marizanne Kapp
               Hayley Matthews
                                  WI
                                         339
                   Amelia Kerr
                 Deepti Sharma
                                  IND
                                         271
           5
```

rating

6

8

Ashleigh Gardner

Jess Jonassen

Jhulan Goswami

Katherine Brunt

9 Sophie Ecclestone

AUS

AUS

IND

ENG

ENG

270

246

219

217

- 5) Write a python program to scrape cricket rankings from icc-cricket.com. You have to scrape:
- a) Top 10 ODI teams in men's cricket along with the records for matches, points and rating.

```
In [237...
          page = requests.get('https://www.icc-cricket.com/rankings/mens/team-rankings/odi')
         <Response [200]>
In [238...
           soup = BeautifulSoup(page.content)
In [240...
          for i in soup.find_all('span',class_="u-hide-phablet")[0:11]:
               team.append(i.text)
          team
         ['England',
Out[240...
           'New Zealand',
           'India',
           'Pakistan'
           'Australia'
           'South Africa',
           'Bangladesh',
           'Sri Lanka',
           'West Indies'
           'Afghanistan',
           'Ireland']
In [259...
          matches = []
          for i in soup.find all('td',class ="rankings-block banner--matches"):
              matches.append(i.text)
          matches
Out[259... ['27']
In [260...
          for i in soup.find all('td',class ="table-body cell u-center-text"):
              matches_info.append(i.text)
          matches_info
```

```
Out[260... ['22', '2,508',
                                                                                 '31',
                                                                                  '3,447',
                                                                                  '22',
                                                                                  '2,354',
                                                                                  '29',
                                                                                  '3,071',
                                                                                  '21',
                                                                                  '2,111',
                                                                                  '30',
                                                                                  '2,753',
                                                                                  '29',
                                                                                  '2,658',
                                                                                  '41',
                                                                                  '2,902',
                                                                                 '18',
                                                                                  '1,238',
                                                                                 '23',
'1,214',
                                                                                 '27',
'1,254',
                                                                                  '26',
                                                                                  '1,098',
                                                                                '21',
'673',
'22',
'697',
                                                                                  '30',
'919',
                                                                                 '25',
'688',
                                                                                '15',
'369',
                                                                                 '22',
'331',
                                                                                 '24',
'246']
  In [262...
                                                                              for i in range(0,len(matches_info),2):
                                                                                                             matches.append((matches_info[i]))
                                                                              matches
Out[262... ['27', '22', '31', '22', '22', '31', '22', '22', '31', '22', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', '32', 
                                                                                 '29',
'21',
'30',
'29',
'41',
'18',
                                                                                '23',
'27',
'26',
'21',
                                                                                '30',
'25',
'15',
                                                                                 '22',
'24',
'22',
                                                                                '31',
'22',
'29',
'21',
'30',
'29',
'41',
'18',
'23',
'27',
'26',
'21',
'30',
                                                                                 '25',
'15',
'22',
```

similar to the women's problem

ratings

```
In [264...
           matches = matches[:11]
           matches
Out[264... ['27', '22', '31', '22', '29', '21', '30', '29', '41', '18', '23']
In [265...
           points = []
           for i in soup.find all('td',class ="rankings-block banner--points"):
               points.append(i.text)
           points
Out[265... ['3,226']
In [266...
           # Now we find the top 10 points using matches_info by odd indexing
           for i in range(1,len(matches_info),2):
               points.append((matches_info[i]))
           points
Out[266... ['3,226',
'2,508',
'3,447',
           '2,354',
           '3,071',
           '2,111',
           '2,753',
           '2,658',
           '2,902',
           '1,238',
'1,214',
           '1,254',
           '1,098',
           '673',
           '697',
'919',
           '688',
           '369',
'331',
           '246']
In [267...
           points = points[:11]
           points
Out[267... ['3,226',
           '2,508',
           '3,447',
           '2,354',
           '3,071',
           '2,111',
           '2,753',
'2,658',
           '2,902',
           '1,238'
           '1,214']
In [271...
           ratings = []
           for i in soup.find all('td',class ="rankings-block banner--rating u-text-right"):
               ratings.append(i.text.replace('\n','').split()[0])
           ratings
Out[271... ['119']
In [272...
           ratings_info = soup.find_all('td',class_="table-body__cell u-text-right rating")
           for i in ratings_info[:10]:
               ratings.append(i.text.replace('\n',''))
```

```
['119', '114', '111', '107', '106', '101', '92', '92', '71', '69', '53']
In [273...
           # TOP 10 RANKINGS TEAMS MEN
           top men = pd.DataFrame({'Team':team,'Matches':matches,'Points':points,'Ratings':ratings})
           top_men
Out[273...
                   Team Matches Points Ratings
                 England
                              27
                                   3,226
                                            119
                                   2,508
                                            114
           1 New Zealand
                              22
           2
                    India
                                   3,447
                                            111
           3
                 Pakistan
                                   2,354
                                            107
                              22
           4
                 Australia
                              29
                                   3,071
                                            106
              South Africa
                              21
                                   2,111
                                            101
                                   2,753
                                             92
           6
              Bangladesh
                              30
                 Sri Lanka
                              29
                                   2,658
                                             92
           8
               West Indies
                                   2,902
                                             71
           9
                              18
                                   1,238
                                             69
               Afghanistan
          10
                   Ireland
                              23
                                  1,214
                                             53
         b) Top 10 ODI Batsmen along with the records of their team and rating.
In [274...
           page = requests.get('https://www.icc-cricket.com/rankings/mens/player-rankings/odi/batting')
           page
```

```
<Response [200]>
Out[274...
In [275...
           soup = BeautifulSoup(page.content)
In [276...
           player = []
           for i in soup.find_all('div',class_="rankings-block__banner--name-large"):
                player.append(\overline{i}.text)
           player
           ['Babar Azam']
Out[276...
In [277...
           player_info = soup.find_all('td',class_="table-body__cell rankings-table__name name")
           for i in player info[:10]:
                player.append(i.text.replace('\n',''))
           player
          ['Babar Azam',
Out[277...
            'Rassie van der Dussen',
            'Quinton de Kock',
            'Imam-ul-Haq',
            'Virat Kohli'
            'Rohit Sharma'
            'Jonny Bairstow',
            'David Warner',
            'Ross Taylor'
            'Steve Smith',
            'Shikhar Dhawan']
In [280...
           team = []
           for i in soup.find_all('div',class_="rankings-block_banner--nationality"):
    team.append(i.text.replace('\n','').split()[0])
Out[280... ['PAK']
```

```
In [281...
           team info = soup.find all('span',class ="table-body logo-text")
           for i in team_info[:10]:
               team.append(i.text.replace('\n',''))
          ['PAK', 'SA', 'SA', 'PAK', 'IND', 'IND', 'ENG', 'AUS', 'NZ', 'AUS', 'IND']
Out[281...
In [283...
           rating = []
           for i in soup.find_all('div',class_="rankings-block_banner--rating"):
               rating.append(i.text)
           rating
          ['890']
Out[283...
In [284...
           rating info = soup.find all('td',class = "table-body_cell rating")
           for i in rating_info[:10]:
               rating.append(i.text)
          ['890', '789', '784', '779', '744', '740', '732', '725', '701', '697', '696']
Out[284...
In [285...
           # TOP 10 MENS BATSMEN RANKINGS
In [287...
           men_batting = pd.DataFrame({'Player':player,'Team':team,'Rating':rating})
           men_batting
Out[287...
                         Player Team Rating
                      Babar Azam
                                 PAK
                                         890
           1 Rassie van der Dussen
                                  SA
                                         789
           2
                  Quinton de Kock
                                  SA
                                         784
           3
                     Imam-ul-Haq
                                 PAK
                                         779
           4
                       Virat Kohli
                                  IND
                                         744
           5
                    Rohit Sharma
                                  IND
                                         740
           6
                   Jonny Bairstow
                                 ENG
                                         732
           7
                    David Warner
                                 AUS
                                         725
           8
                      Ross Taylor
                                  N7
                                         701
           9
                      Steve Smith
                                 AUS
                                         697
          10
                  Shikhar Dhawan
                                  IND
                                        696
         c) Top 10 ODI bowlers along with the records of their team and rating.
```

```
In [288...
          page = requests.get('https://www.icc-cricket.com/rankings/mens/player-rankings/odi/bowling')
          page
         <Response [200]>
Out[288...
In [289...
          soup = BeautifulSoup(page.content)
In [294...
          player = []
          for i in soup.find all('div',class ="rankings-block banner--name-large"):
              player.append(i.text)
          player
         ['Trent Boult']
Out[294...
In [295...
         player_info = soup.find_all('td',class_="table-body__cell rankings-table__name name")
```

```
for i in player_info[:10]:
               player.append(i.text.replace('\n',''))
           player
Out[295... ['Trent Boult',
            'Josh Hazlewood'
           'Mujeeb Ur Rahman',
           'Jasprit Bumrah',
           'Shaheen Afridi',
           'Mohammad Nabi',
           'Mehedi Hasan',
           'Matt Henry',
           'Mitchell Starc',
           'Rashid Khan',
           'Mustafizur Rahman']
In [297...
           team = []
           for i in soup.find_all('div',class_="rankings-block_banner--nationality"):
    team.append(i.text.replace('\n','').split()[0])
Out[297... ['NZ']
In [299...
           team_info = soup.find_all('span',class_="table-body__logo-text")
           for i in team_info[:10]:
               team.append(i.text.replace('\n',''))
           team
          ['NZ', 'AUS', 'AFG', 'IND', 'PAK', 'AFG', 'BAN', 'NZ', 'AUS', 'AFG', 'BAN']
In [300...
           rating = []
           for i in soup.find_all('div',class_="rankings-block_banner--rating"):
               rating append (\bar{i} \cdot text)
           rating
          ['775']
In [301...
           rating_info = soup.find_all('td',class_="table-body cell rating")
           for i in rating_info[:10]:
               rating.append(i.text)
           rating
          ['775', '718', '676', '662', '661', '657', '655', '654', '653', '651', '640']
Out[301...
In [302...
           # TOP 10 MEN BOWLER RANKINGS
           men_bowling = pd.DataFrame({'Player':player,'Team':team,'Rating':rating})
           men bowling
                        Player Team Rating
           0
                    Trent Boult
                                ΝZ
                                       775
                Josh Hazlewood
                               AUS
                                       718
                               AFG
           2 Mujeeb Ur Rahman
                                       676
           3
                 Jasprit Bumrah
                                IND
                                       662
           4
                 Shaheen Afridi
                               PAK
                                       661
                Mohammad Nabi
                               AFG
           5
                                       657
           6
                  Mehedi Hasan
                               BAN
                                       655
                    Matt Henry
                                ΝZ
                                       654
                   Mitchell Starc
                               AUS
           8
                                       653
           9
                   Rashid Khan
                               AFG
                                       651
          10 Mustafizur Rahman
                               BAN
                                       640
```

7) Write a python program to scrape mentioned news details from https://www.cnbc.com/world/?region=world

```
In [427...
          page = requests.get('https://www.cnbc.com/world/?region=world')
         <Response [200]>
Out[427...
In [428...
          soup = BeautifulSoup(page.content)
In [435...
          headline = []
          for i in soup.find_all('div',class_="RiverHeadline-headline RiverHeadline-hasThumbnail"):
              headline.append(i.text)
          headline
         ["Putin escalates tensions with war threats to the West; Ukraine slams 'fake' votes on joining Russia",
Out[435...
           'CNBC Pro Talks: Asset manager Neil Veitch shares his top picks — and stocks to avoid',
          "'Path to oblivion': Ukraine military gains could deepen Russia's economic problems",
          "Stock futures flat ahead of the Federal Reserve's expected interest rate hike",
           'Germany nationalizes energy giant Uniper as Russia squeezes gas supplies',
           'Shorter showers, slower driving and an Eiffel Tower blackout: How Europe plans to cut gas usage',
          "Does FedEx's bleak outlook flash a warning signal for investors? Here's what the pros say",
           'Formula 1 in 2023: Record 24-race calendar revealed as Las Vegas debuts and China returns',
          "Chinese EV maker Xpeng launches rival to Tesla's semi-autonomous driving system",
          'Chip-making nations like the U.S. are teaming up against China',
           'History shows these under-the-radar stocks will win as the Fed continues to lift interest rates',
          "Beyond Meat suspends operating chief after arrest for allegedly biting man's nose",
          "European businesses are rethinking their plans for a 'closed' China",
          "For the first time in 30 years, Asia's developing economies are set to grow faster than China's: ADB",
          'This one number could be the key to how markets trade after Fed',
          "Big business likes to trumpet ESG credentials. But a 'greenwashing' reckoning could be coming",
          "Want to play the EV sector? Here's one lithium stock that analysts say could soar 70%",
          'European stocks nudge higher as markets brace for more Fed action; Uniper down 27%',
          "'Rip off the Band-Aid': Wells Fargo makes case for a 150 basis point hike at Fed meeting"
          "China's Xi and India's Modi were the last two people Putin wanted to see give him the cold shoulder"]
In [436...
          time = []
          for i in soup.find all('span',class = "RiverByline-datePublished"):
              time.append(i.text)
          time
Out[436... ['an hour ago',
           'an hour ago',
          'an hour ago',
          'an hour ago',
          '2 hours ago',
          '2 hours ago',
          '19 min ago',
          '19 min ago'
          '3 hours ago',
          '3 hours ago',
          '2 hours ago'
          '2 hours ago',
          '4 hours ago',
          '4 hours ago',
          '3 hours ago',
          '3 hours ago',
          '4 min ago'
          '4 min ago']
```

8) Write a python program to scrape the details of most downloaded articles from AI in last 90 days.

https://www.journals.elsevier.com/artificial-intelligence/most-downloaded-articles

```
In [439... soup = BeautifulSoup(page.content)
In [443...
          title = []
          for i in soup.find all('h2',class ="sc-lqrq3sd-1 MKjKb sc-1nmom32-0 sc-1nmom32-1 hqhUYH ebTA-dR"):
              title.append(i.text)
          title[:5]
Out[443... ['Reward is enough',
          'Making sense of raw input',
          'Law and logic: A review from an argumentation perspective',
          'Creativity and artificial intelligence',
          'Artificial cognition for social human-robot interaction: An implementation']
In [444...
          authors = []
          for i in soup.find_all('span',class_="sc-1w3fpd7-0 pgLAT"):
              authors.append(i.text)
          authors[:5]
Out[444 ['Silver, David, Singh, Satinder, Precup, Doina, Sutton, Richard S. ',
          'Evans, Richard, Bošnjak, Matko and 5 more',
          'Prakken, Henry, Sartor, Giovanni ',
           'Boden, Margaret A.
          'Lemaignan, Séverin, Warnier, Mathieu and 3 more']
In [445...
          published date = []
          for i in soup.find_all('span',class_="sc-1thf9ly-2 bKddwo"):
              published_date.append(i.text)
          published date[:5]
         ['October 2021', 'October 2021', 'October 2015', 'August 1998', 'June 2017']
Out[445...
In [456...
          paper url = []
          for i in soup.find_all('a',class_="sc-5smygv-0 nrDZj"):
              if 'href' in i.attrs:
                  paper_url.append(str(i.attrs['href']))
          paper_url[:5]
Out[456. ['https://www.sciencedirect.com/science/article/pii/S0004370221000862',
           'https://www.sciencedirect.com/science/article/pii/S0004370221000722'
          'https://www.sciencedirect.com/science/article/pii/S0004370215000910',
          'https://www.sciencedirect.com/science/article/pii/S0004370298000551'
          'https://www.sciencedirect.com/science/article/pii/S0004370216300790']
         9) Write a python program to scrape mentioned details from dineout.co.in:
         i) Restaurant name
         ii) Cuisine
         iii) Location
        iv) Ratings
         v) Image URL
In [457...
          page = requests.get('https://www.dineout.co.in/delhi-restaurants/buffet-special')
         <Response [200]>
Out[457...
In [458...
          soup = BeautifulSoup(page.content)
In [459...
          rest_name = []
          for i in soup.find all('a',class ="restnt-name ellipsis"):
              rest_name.append(i.text)
          rest_name
```

```
Out[459... ['Castle Barbeque',
           'Jungle Jamboree',
           'Castle Barbeque',
           'Cafe Knosh',
           'The Barbeque Company',
           'India Grill'
           'Delhi Barbeque'
           'The Monarch - Bar Be Que Village',
           'Indian Grill Room']
In [460...
           cuisines = []
          for i in soup.find all('span',class ="double-line-ellipsis"):
              cuisines.append(i.text.split('|')[1])
          cuisines
Out[460... [' Chinese, North Indian',
            North Indian, Asian, Italian',
           ' Chinese, North Indian',
            Italian, Continental'
           ' North Indian, Chinese'
           ' North Indian, Italian',
           ' North Indian',
           ' North Indian'
           ' North Indian, Mughlai']
In [461...
          location = []
          for i in soup.find_all('div',class_="restnt-loc ellipsis"):
              location.append(i.text)
          location
         ['Connaught Place, Central Delhi',
Out[461...
           '3CS Mall, Lajpat Nagar - 3, South Delhi',
           'Pacific Mall, Tagore Garden, West Delhi'
           'The Leela Ambience Convention Hotel, Shahdara, East Delhi',
           'Gardens Galleria, Sector 38A, Noida'
           'Hilton Garden Inn, Saket, South Delhi'
           'Taurus Sarovar Portico, Mahipalpur, South Delhi',
           'Indirapuram Habitat Centre, Indirapuram, Ghaziabad',
           'Suncity Business Tower, Golf Course Road, Gurgaon']
In [462...
           ratings = []
          for i in soup.find all('div',class ="restnt-rating rating-4"):
               ratings.append(i.text)
         ['4.1', '3.9', '3.9', '4.3', '4', '3.9', '3.7', '3.8', '4.3']
Out[462...
         10) Write a python program to scrape the details of top publications from Google Scholar from
         https://scholar.google.com/citations?view_op=top_venues&hl=en
         i) Rank
         ii) Publication
         iii) h5-index
         iv) h5-media
In [463...
          page = requests.get('https://scholar.google.com/citations?view_op=top_venues&hl=en')
         <Response [200]>
Out[463...
In [464...
          soup = BeautifulSoup(page.content)
```

```
In [468... | rank = []
          for i in soup.find_all('td',class_="gsc_mvt_p"):
              rank.append(i.text.split('.')[0])
          rank[:5] # we are printing only 5 ranks beacuse there are 101
Out[468... ['1', '2', '3', '4', '5']
In [470...
           publication = []
          for i in soup.find_all('td',class_="gsc mvt t"):
               publication.append(i.text)
          publication[:5]
Out[470... ['Nature',
'The New England Journal of Medicine',
           'Science',
'IEEE/CVF Conference on Computer Vision and Pattern Recognition',
In [475...
          info = [] # hf index and h5 media values are togther
          for i in soup.find_all('td',class_="gsc_mvt_n"):
               info.append(i.text)
          info[:5] # the first value is hf_index and sec values is h5_media
         ['444', '667', '432', '780', '401']
Out[475...
In [478...
          # So we iterated through the info to get the first value and every alternative odd value to get the hf_index value
          hf_index = []
          for i in range(0,len(info),2):
              hf_index.append(info[i])
          hf_index[:5]
Out[478... ['444', '432', '401', '389', '354']
In [480...
          h5_{media} = []
          for i in range(1,len(info),2):
              h5 media.append(info[i])
          h5_media[:5]
Out[480... ['667', '780', '614', '627', '635']
 In [ ]:
```