

```

import requests
from bs4 import BeautifulSoup as bs
import pandas as pd
import numpy as np

link='https://www.amazon.in/Apple-iPhone-14-128GB-Midnight/product-reviews/B0BDHX8Z63/ref=cm_cr_dp_d_showall_btm?ie=UTF8&reviewerType=a'
headers = {
    'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36'
}

page = requests.get(link,headers=headers)
page

<Response [200]>

type(page.content)

bytes

page.content
b'<!doctype html><html lang="en-in" class="a-no-js" data-19ax5a9jff="dingo"><!-- sp:feature:head-start -->\n<head><script>var
aPageStart = (new Date()).getTime();</script><meta charset="utf-8"/><!-- sp:end-feature:head-start -->\n<!--
sp:feature:csm:head-open-part1 -->\n<script type="text/javascript">var ue_t0=ue_t0|+new Date();</script>\n<!-- sp:end-
feature:csm:head-open-part1 -->\n<!-- sp:feature:cs-optimization -->\n<meta http-equiv="x-dns-prefetch-control"
content="on">\n<link rel="dns-prefetch" href="https://images-eu.ssl-images-amazon.com" crossorigin>\n<link rel="preconnect"
href="https://images-eu.ssl-images-amazon.com" crossorigin>\n<link rel="dns-prefetch" href="https://m.media-amazon.com"
crossorigin>\n<link rel="preconnect" href="https://m.media-amazon.com" crossorigin>\n<link rel="dns-prefetch"
href="https://completion.amazon.com" crossorigin>\n<link rel="preconnect" href="https://completion.amazon.com" crossorigin>\n<!--
sp:end-feature:cs-optimization -->\n<!-- sp:feature:csm:head-open-part2 -->\n<script type="text/javascript">\nwindow.ue_ihb
= (window.ue_ihb || window.ueinit || 0) + 1;\nif (window.ue_ihb === 1) {\n\nvar ue_csm = window,\n    ue_hob = +new
Date();\n(function(d){var e=d.ue=d.ue|{};f=Date.now|function(){return+new Date};e.d=function(b){return f()-(b?
0:d.ue_t0)};e.stub=function(b,a){if(!b[a]){var c=[];b[a]=function()
{c.push([c.slice.call(arguments),e.d(),d.ue_id]);b[a].replay=function(b){for(var
a;a=c.shift();b(a[0],a[1],a[2]);b[a].isStub=1}};e.exec=function(b,a){return function(){try{return
b.apply(this,arguments)}catch(c){ueLogError(c,{attribution:a|"undefined",logLevel:"WARN"})}}}(ue_csm);\n\n    var
ue_err_chan = \'jserr-rw\';\n(function(d,e){function h(f,b){if(!(a.ec>a.mxe)&&f){a.ter.push(f);b=b|{};var
c=f.logLevel|b.logLevel;c&&c!=k&&c!=m&&c!=n&&c!=p|a.ec++;c&&c!=k|a.ecf++;b.pageURL="+e.location?
e.location.href:"";b.logLevel=c;b.attribution=f.attribution|b.attribution;a.erl.push({ex:f,info:b})}}function l(a,b,c,e,g)
{d.ueLogError({m:a,f:b,l:c,c:""+e,err:g,fromOnError:1,args:arguments),g?{attribution:g.attribution,logLevel:g.logLevel}:void
0);return!1}var k="FATAL",m="ERROR",n="WARN",p="DOWNGRADED",a={ec:0,ecf:0,npec:0,ts:0,erl:[],ter:[],buffer:
[],mxe:50,startTimer:function(){a.ts++;setInterval(function()
{d.ue&&a.pec&&a.uecx("at");a.pec=a.ec},1E4)};l.skipTrace=1;h.skipTrace=1;h.isStub=1;d.ueLogError=h;d.ue_err=a;e.onerror=1})
(ue_csm>window);\n\n\nvar ue_id = \'QH15VVG1NCE4RPD879M\';\n    ue_url = \'/rd/uedata\';\n    ue_navtiming = 1,\n    ue_mid =
\'A21TJRUN4KGV\';\n    ue_sid = \'257-9624031-6489732\';\n    ue_sn = \\'www.amazon.in\';\n    ue_furl = \\'fls-eu.amazon.in\';\n
ue_surl = \\'https://unagi-eu.amazon.com/1/events/com.amazon.csm.nexusclient.prod\';\n    ue_int = 0,\n    ue_fcsn = 1,\n
ue_urt = 3,\n    ue_rpl_ns = \'cel-rpl\';\n    ue_ddq = 1,\n    ue_fpf = \'/fls-eu.amazon.in/1/batch/1/OP/A21TJRUN4KGV:257-
9624031-6489732:QH15VVG1NCE4RPD879M$uedata=s:\';\n    ue_sbuimp = 1,\n    ue_ibft = 0,\n    ue_sswmts = 0,\n    ue_jsmtf = 0,\n
ue_fnt = 0,\n    ue_lpsi = 6000,\n    ue_no_counters = 0,\n    ue_lob = \\'1\';\n    ue_sjslob = 0,\n    ue_swi = 1;\nvar
ue_viz=function(){(function(b,f,d){function g(){return(!p in d)||<d[p]&&!(q in d)||<d[q]}function h(c)
{if(b.ue.viz.length<w&&l)r){var a=c.type;c=c.originalEvent;/^focus/.test(a)&&c&&(c.target|c.fromElement|c.relatedTarget)||
(a=g()?f[3]|("blur"==a|"focusout"==a?t:u):t,b.ue.viz.push(a+": "+(new Date-b.ue_t0)),a=u&&(b.ue.isl&&x("at"),r=1))}}for(var
r=0,x=b.uecx,a,k,l,s,v=
["", "webkit", "o", "ms", "moz"],e=0,m=1,u="visible",t="hidden",p="innerWidth",q="innerHeight",w=20,n=0;n<v.length&&!e;n++)if(a=\nv(n
(a?+"H": "h")+"idden",e="boolean"==typeof f[k])l+= "visibilitychange",s=(a?
a+"V": "v")+"sibilityState";h({});e&&f.addEventListener(l,h,0);m=g()?1:0;d.addEventListener("resize",function(){var a=g()?
1:0;m!==(a&&m=a,h({})),{passive:!0});b.ue&&e&&(b.ue.pageViz={event:l,propHid:k}))}
(ue_csm,ue_csm.document,ue_csm.window));\n\n(function(d,h,N){function H(a){return
a&&a.replace&&a.replace(/\\s+|\\s+$|g, "")}function u(a){return undefined===typeof a}function B(a,b){for(var c in b)b[v](c)&&
[a[c]=b[c]]}function I(a){try{var b=N.cookie.match(RegExp("(^| )+a+=[^;]+)");if(b)return b[2].trim()}catch(c){}function
O(k,b,c){var q=(x|{}).type;if("device"!==(c|2)!==(q&&1)!==(q)&&(d.ue_id=a.id=a.rid=k,w&&(w=w.replace(/(.?:){2})
(\\w+)/,function(a,b){return b+k})),D&&(e("id",D,k),D=0)),b&&(w&&(w=w.replace(/(.?:){2})(\\w|\\-)+/,function(a,nc){return
c+b})),d.ue_sid=b),c&&a.tag("page-source:"+c),d.ue_fpf=w}function P(){var a={};return function(b){b&&(a[b]=1);b=[];for(var c in
a)a[v](c)&&b.push(c);return b}function y(d,b,c,q){q=q|+new E;var g,m;if(b|u(c)){if(d)for(m in g=b?e("t",b)|e("t",b,
{}):a.t,g[d]=q,c[c[v]](m)&&e(m,b,c[m]);return q}function e(d,b,c){var e=b&&b!=a.id?a.sc[b]:a.e|e(a.sc[b]={});"id"===d&&c&&
(Q=1);return e[d]=c|e[d]}function R(d,b,c,e,g){c="on"+c;var m=b[c];"function"===typeof m?d&&(a.h[d]=m):m=function()
{b[c]=\nfunction(a){g?(e(a),m(a)):(m(a),e(a))};b[c]&&(b[c].isUeh=1)}function S(k,b,c,q){function p(b,c){var d=[b],f=0,g=
{m,h,c};d.push("m=1");g[c]=1:g=a.sc;for(h in g)if(g[v](h)){var q=e("wb",h),p=e("t",h)|{};n=e("t0",h)|a.t0,l;if(c|2==q)
{q=qf++:"";d.push("sc"+q+"="+h);for(l in p)u(p[l])||null==p[l]|d.push(l+q+"="+p[l]-
n)};d.push("t"+q+"="+p[k]);if(e("ctb",h)|e("wb",h))m=1}}l&&m&&d.push("ctb=1");return d.join("&")}function m(b,c,f,e,g){if(b)
{var k=d.ue_length;d.ue_ur1&&!e&&l&&g&&b&&0<b.length&&(e=\nnew
Image,a.iel.push(e),e.src=b,a.count&&a.count("postbackImageSize",b.length));w?(g=h.encodeURIComponent)&&b&&(e=new
Image,b="+d.ue_fpf+g(b)+"+"+(+new E-d.ue_t0),a.iel.push(e),e.src=b):a.log&&(a.log(b,"uedata",
{n:1}),a.ielf.push(b));k&&l.k.ts&&k.startTimer();a.b&&(k=a.b,a.b="m(k,c,f,1))}}function A(b){var c=x?
x.type:F,d=2==c|a.isBFonMshop,c=c&&d,f=a.bfini;if(!Q|a.isBFCache)f&&1<f&&(b+="&bfform=1",c|(a.isBFT=f-1)),d&&
(b+="&bft=1",a.isBFT=a.isBFT|1),a.ssw&&a.isBFT&&(a.isBFonMshop&&(a.isNRBF=\n0),u(a.isNRBF)&&(d=a.ssw(a.oid),d.e|u(d.val))|
(a.isNRBF=1<d.val?0:1)),u(a.isNRBF)|b+="&nrbf="+a.isNRBF),a.isBFT&&a.isNRBF&&(b+="&bft="+a.isBFT);return b}if(!a.paused&&
(b|u(c)))for(var l in c)c[v](l)&&e(l,b,c[l]);a.isBFonMshop|y("pc",b,c);l="ld"===k&&b&&e("wb",b);var

```

```
soup = bs(page.content, 'html.parser')
```

▲


```
'Prasanna',
'Vaishnavi Nelabotla',
'Vaishnavi Nelabotla',
'Jayakrishnan',
'Marvellous ',
'Marvellous ',
'Lalneo',
'Lalneo',
'Shatrugghan Budhauiliya',
'Purshottam Das Anand',
'Nabi ullah khan',
'Nabi ullah khan',
'Akshat Sharma',
'MWO SK SINGH']
```

```
title = soup.find_all('a',class_='review-title-content')
title
```

```
[<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R3QN7WHCT1NEQA/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-5 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">5.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>Exceeding my expectation. Go for it.</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R30Q0WNRQPM0PW/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-5 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">5.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>Loved it ❤️</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R26S7FGQM0S0KO/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-4 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">4.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>It's visually appealing and upgraded device, surpassing my old iPhone 12</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R1Z2UDP5DZXS2F/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-5 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">5.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>iPhone 14</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R36R1NMWBPZ0KB/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-5 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">5.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>Amaze me</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R3N30WJWDGTGYBY/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-5 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">5.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>Best</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R1W8X094QW6D22/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-5 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">5.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>Nice apple iPhone 14</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R12B1CXZ80HDZG/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-4 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">4.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>Awesome phone</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/RYXD7EG86HHX3/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-4 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">4.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
<span>All that glitters is not gold</span>
</a>,
<a class="a-size-base a-link-normal review-title a-color-base review-title-content a-text-bold" data-hook="review-title"
href="/gp/customer-reviews/R30MKJNPTNZN09/ref=cm_cr_ar_p_d_rvw_ttl?ie=UTF8&ASIN=B0BDHX8Z63"><i class="a-icon a-icon-star a-
star-4 review-rating" data-hook="review-star-rating"><span class="a-icon-alt">4.0 out of 5 stars</span></i><span class="a-
letter-space"></span>
```

```
review_title = []
for i in range(0,len(title)):
    review_title.append(title[i].get_text())
review_title
```

```
['5.0 out of 5 stars\nExceeding my expectation. Go for it.\n',
'5.0 out of 5 stars\nLoved it ❤️\n',
'4.0 out of 5 stars\nIt's visually appealing and upgraded device, surpassing my old iPhone 12\n',
'5.0 out of 5 stars\niPhone 14\n',
'5.0 out of 5 stars\nAmaze me\n',
'5.0 out of 5 stars\nBest\n',
```

```
'5.0 out of 5 stars\nNice apple iPhone 14\n',  
'4.0 out of 5 stars\nAwesome phone\n',  
'4.0 out of 5 stars\nAll that glitters is not gold\n',  
'4.0 out of 5 stars\nReview\n']
```