

SCRAPING TEXT,LINKS AND IMAGES FROM WEB PAGES

```
import requests
from bs4 import BeautifulSoup

# Function to fetch HTML content from a URL
def fetch_html(url):
    response = requests.get(url)
    return response.content if response.status_code == 200 else None

# Function to scrape data from a webpage
def scrape_webpage(url):
    html_content = fetch_html(url)
    if html_content:
        soup = BeautifulSoup(html_content, 'html.parser')

        # Extract text
        paragraphs = soup.find_all('p')
        print("Paragraphs:")
        for paragraph in paragraphs:
            print(paragraph.get_text())

        headings = soup.find_all(['h1', 'h2', 'h3', 'h4', 'h5', 'h6'])
        print("\nHeadings:")
        for heading in headings:
            print(heading.get_text())

        # Extract links
        links = soup.find_all('a', href=True)
        print("\nLinks:")
        for link in links:
            print(link['href'])

        # Extract images
        images = soup.find_all('img', src=True)
        print("\nImage Sources:")
        for image in images:
            print(image['src'])
    else:
        print(f"Failed to fetch {url}")

# URL of the webpage to scrape
url = 'https://www.amazon.in/'

# Scrape data from the webpage
scrape_webpage(url)
```

Paragaphs:

Headings:

Makeup products

New looks for the new season

Do up your home

Smart gadgets by Amazon

Value bazaar

Work from home essentials

Revamp your home in style

Innovations from Emerging Indian Brands

Links:

/ref=nav_logo

/customer-preferences/edit?ie=UTF8&preferencesReturnUrl=%2F&ref_=topnav_lang

https://www.amazon.in/ap/signin?openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.in%2F%3F_encoding%3DUTF8%26ref_%2F%3F_encoding%3DUTF8%26ref_=nav_orders_first

/gp/css/order-history?ref=nav_orders_first

/gp/cart/view.html?ref=nav_cart

/gp/site-directory?ref=nav_em_js_disabled

/fresh?ref=nav_cs_grocery

/minitv?ref=nav_avod_desktop_topnav

/b/32702023031?node=32702023031&ld=AZINSOANavDesktop_T3&ref=nav_cs_sell_T3

/gp/bestsellers/?ref=nav_cs_bestsellers

/mobile-phones/b/?ie=UTF8&node=1389401031&ref=nav_cs_mobiles

/deals?ref=nav_cs_gb

/prime?ref=nav_cs_primelink_nonmember

/gp/help/customer/display.html?nodeId=200507590&ref=nav_cs_help

/gp/browse.html?node=6648217031&ref_=nav_cs_fashion
/electronics/b/?ie=UTF8&node=976419031&ref_=nav_cs_electronics
/gp/new-releases/?ref_=nav_cs_newreleases
/gp/sva/dashboard?ref_=nav_cs_apay
/Home-Kitchen/b/?ie=UTF8&node=976442031&ref_=nav_cs_home
/computers-and-accessories/b/?ie=UTF8&node=976392031&ref_=nav_cs_pc
/Books/b/?ie=UTF8&node=976389031&ref_=nav_cs_books
/Car-Motorbike-Store/b/?ie=UTF8&node=4772060031&ref_=nav_cs_automotive
/gcx/-/gfhz/?ref_=nav_cs_giftfinder
/beauty/b/?ie=UTF8&node=1355016031&ref_=nav_cs_beauty
/Sports/b/?ie=UTF8&node=1984443031&ref_=nav_cs_sports
/Home-Improvement/b/?ie=UTF8&node=4286640031&ref_=nav_cs_hi
/Toys-Games/b/?ie=UTF8&node=1350380031&ref_=nav_cs_toys
/Amazon-Custom/b/?ie=UTF8&node=32615889031&ref_=nav_cs_custom
/gift-card-store/b/?ie=UTF8&node=3704982031&ref_=nav_cs_gc
/Gourmet-Specialty-Foods/b/?ie=UTF8&node=2454178031&ref_=nav_cs_grocery
/health-and-personal-care/b/?ie=UTF8&node=1350384031&ref_=nav_cs_hpc
/Baby/b/?ie=UTF8&node=1571274031&ref_=nav_cs_baby
/video-games/b/?ie=UTF8&node=976460031&ref_=nav_cs_video_games
/Pet-Supplies/b/?ie=UTF8&node=2454181031&ref_=nav_cs_pets
/Audible-Books-and-Originals/b/?ie=UTF8&node=17941593031&ref_=nav_cs_audible
/b/?node=6637738031&ref_=nav_cs_amazonbasics
/auto-deliveries/landing?ref_=nav_cs_sns
/coupons?ref_=nav_cs_coupons
/gp/video/ssoredirect/?ie=UTF8&pvp=%2F%3Fref_%3Ddvm_crs_in_s_gw_swm_dk_np_mirzapur&ref_=nav_swm_dvm_crs_in_s_gw_swm_dk_np_mirzapur&pf

/b/?_encoding=UTF8&node=1389401031

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