

```

1 import requests
2 from bs4 import BeautifulSoup
3 num_pages = 20
4 base_url = 'https://www.amazon.in/s?k=bags&crd=2M096C6104MLT&qid=1653308124&sprefix=ba%2Caps%2C283&ref=sr_pg_1'
5 params = {
6     'k': 'bags',
7     'crd': '2M096C6104MLT',
8     'qid': '1653308124',
9     'sprefix': 'ba,aps,283',
10    'ref': 'sr_pg_'
11 }
12 products = []
13
14
15 for page in range(1, num_pages + 1):
16
17     params['ref'] = 'sr_pg_' + str(page)
18
19
20     response = requests.get(base_url, params=params)
21     soup = BeautifulSoup(response.content, 'html.parser')
22
23
24     containers = soup.find_all('div', {'data-component-type': 's-search-result'})
25
26
27     for container in containers:
28
29         product_url = container.find('a', {'class': 'a-link-normal'}).get('href')
30         product_name = container.find('span', {'class': 'a-size-medium'}).text.strip()
31         product_price = container.find('span', {'class': 'a-offscreen'}).text.strip()
32
33         rating_element = container.find('span', {'class': 'a-icon-alt'})
34         rating = rating_element.text.strip() if rating_element else 'N/A'
35
36         reviews_element = container.find('span', {'class': 'a-size-base'})
37         reviews = reviews_element.text.strip() if reviews_element else '0'
38
39
40         products.append({
41             'Product URL': product_url,
42             'Product Name': product_name,
43             'Product Price': product_price,
44             'Rating': rating,
45             'Number of Reviews': reviews
46         })
47
48
49 for product in products:
50     print(product)
51

```

```

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{ 'Product URL': '/gp/bestsellers/luggage/2917436031/ref=sr_bs_1_2917436031_1', 'Product Name': 'American Tourister 32 Ltrs Black
{ 'Product URL': '/Skybags-Brat-Black-Casual-Backpack/dp/B08Z1HHHTD', 'Product Name': 'Skybags Brat Black 46 Cms Casual Backpack'
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{ 'Product URL': '/Half-Moon-Waterproof-Backpack-Students/dp/B085MHDJ93', 'Product Name': 'Half Moon 35L Water Resistant 15.6 inc
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{ 'Product URL': '/Lunars-Bingo-Laptop-Resistant-48L/dp/B08Y28FFBZ', 'Product Name': 'Lunar's Bingo - 48 L Laptop Office/School/T
{ 'Product URL': '/Wesley-Spartan-Hiking-Raincover-Organiser/dp/B098QFF5TJ', 'Product Name': 'Wesley Spartan Unisex Travel Hiking
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11 params = {
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13     'crid': '2M096C6104MLT',
14     'qid': '1653308124',
15     'sprefix': 'ba,aps,283',
16     'ref': 'sr_pg_'
17 }
18
19 products = []
20
21
22 for page in range(1, num_pages + 1):
23
24     params['ref'] = 'sr_pg_' + str(page)
25
26
27     response = requests.get(base_url, params=params)
28     soup = BeautifulSoup(response.content, 'html.parser')
29
30
31     containers = soup.find_all('div', {'data-component-type': 's-search-result'})
32
33
34     for container in containers:
35
36         product_url = container.find('a', {'class': 'a-link-normal'}).get('href')
37         product_name = container.find('span', {'class': 'a-size-medium'}).text.strip()
38         product_price = container.find('span', {'class': 'a-offscreen'}).text.strip()
39
40         rating_element = container.find('span', {'class': 'a-icon-alt'})
41         rating = rating_element.text.strip() if rating_element else 'N/A'
42
43         reviews_element = container.find('span', {'class': 'a-size-base'})
44         reviews = reviews_element.text.strip() if reviews_element else '0'
45
46
47         product_response = requests.get(product_url)
48         product_soup = BeautifulSoup(product_response.content, 'html.parser')
49
50
51         description = product_soup.find('div', {'id': 'feature-bullets'}).text.strip()
52         asin = product_soup.find('th', text='ASIN').find_next_sibling('td').text.strip()
53         product_description = product_soup.find('div', {'id': 'productDescription'}).text.strip()
54         manufacturer = product_soup.find('a', {'id': 'bylineInfo'}).text.strip()
55
56
57         products.append({
58             'url': product_url,
59             'name': product_name,
60             'price': product_price,
61             'rating': rating,
62             'reviews': reviews,
63             'description': description,
64             'asin': asin,
65             'product_description': product_description,
66             'manufacturer': manufacturer
67         })
```

```

58         'Product URL': product_url,
59         'Product Name': product_name,
60         'Product Price': product_price,
61         'Rating': rating,
62         'Number of Reviews': reviews,
63         'Description': description,
64         'ASIN': asin,
65         'Product Description': product_description,
66         'Manufacturer': manufacturer
67     })
68
69
70 for product in products:
71     print(product)
72

```

-----  
**MissingSchema** Traceback (most recent call last)  
 <ipython-input-8-1c5a1e9cd270> in <cell line: 23>()

```

46
47     # Send GET request to product page
--> 48     product_response = requests.get(product_url)
49     product_soup = BeautifulSoup(product_response.content, 'html.parser')
50

```

⬆ 5 frames

```

/usr/local/lib/python3.10/dist-packages/requests/models.py in prepare_url(self, url, params)
390     error = error.format(to_native_string(url, 'utf8'))
391
--> 392     raise MissingSchema(error)
393
394     if not host:

```

**MissingSchema:** Invalid URL '/Wesley-Milestone-Waterproof-Backpack-Business/dp/B084JGJ8PF/ref=ice\_ac\_b\_dpb': No scheme supplied. Perhaps you meant [http://Wesley-Milestone-Waterproof-Backpack-Business/dp/B084JGJ8PF/ref=ice\\_ac\\_b\\_dpb](http://Wesley-Milestone-Waterproof-Backpack-Business/dp/B084JGJ8PF/ref=ice_ac_b_dpb)?

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