

Finding the top 100 trainers by popularity from goat.com

Import relevant libraries

For this project the selenium drivers will be needed, in order to run this without having to worry about the driver path

In [1]:



```
1 from selenium import webdriver
2 from selenium.webdriver.common.keys import Keys
3 from selenium.webdriver.common.by import By
4 import time
5
6 from selenium.webdriver.chrome.service import Service
7 from webdriver_manager.chrome import ChromeDriverManager
8
9 driver = webdriver.Chrome(service=Service(ChromeDriverManager().install()))
10
11 from bs4 import BeautifulSoup
12 import requests
13
```

The base url is obtained by selenium and also defined it as a callable string for later reference

It should be noted that scrollTo was used as the website dynamically produce results

In [2]:



```
1 driver.get('https://www.goat.com/sneakers')
2 url = 'https://www.goat.com/sneakers'
3 r = requests.get('https://www.goat.com/sneakers')
```

In [3]:



```

1 productlinks = []
2
3 for i in range(0,112):
4
5     if i%10 ==0:
6
7         driver.execute_script('window.scrollTo(0, 200000)')
8
9         time.sleep(2)
10
11     else:
12
13         x=driver.find_element("xpath", "/html/body/div[1]/div/main/div[1]/div/div[2]
14
15         link=x.get_attribute('href')
16
17         productlinks.append(link)
18
19 print(productlinks)

```

```

['https://www.goat.com/sneakers/air-jordan-1-retro-high-og-stealth-555088-03
7', 'https://www.goat.com/sneakers/dunk-low-black-white-dd1391-100', 'http
s://www.goat.com/sneakers/air-max-penny-1-orlando-2022-dn2487-001', 'http
s://www.goat.com/sneakers/air-jordan-4-retro-ps-military-black-bq7669-111',
'https://www.goat.com/sneakers/travis-scott-x-air-jordan-1-low-og-ps-reverse
-mocha-do5441-162', 'https://www.goat.com/sneakers/wmns-dunk-low-rose-whispe
r-dd1503-118', 'https://www.goat.com/sneakers/air-jordan-4-retro-black-canva
s-dh7138-006', 'https://www.goat.com/sneakers/dunk-high-white-black-dd1399-1
05', 'https://www.goat.com/sneakers/dunk-low-gs-triple-pink-dh9765-600', 'ht
tps://www.goat.com/sneakers/yeezy-slides-flax-zy-sld-flax', 'https://www.go
at.com/sneakers/dunk-low-gs-black-white-cw1590-100', 'https://www.goat.com/s
neakers/wmns-dunk-low-black-white-dd1503-101', 'https://www.goat.com/sneaker
s/air-jordan-1-low-inside-out-dn1635-100', 'https://www.goat.com/sneakers/du
nk-low-ucla-dd1391-402', 'https://www.goat.com/sneakers/yeezy-foam-runner-on
yx-hp8739', 'https://www.goat.com/sneakers/dunk-low-reverse-panda-dj6188-10
1', 'https://www.goat.com/sneakers/yeezy-slides-onyx-hq6448', 'https://www.g
oat.com/sneakers/dunk-low-premium-vast-grey-dd8338-001', 'https://www.goat.c
om/sneakers/550-cream-black-bb550lwt', 'https://www.goat.com/sneakers/air-jo
rdan-4-retro-military-black-dh6927-111', 'https://www.goat.com/sneakers/550-
white-grey-bb550pb1', 'https://www.goat.com/sneakers/off-white-x-air-force-1
-mid-black-do6290-001', 'https://www.goat.com/sneakers/wmns-dunk-low-se-safa
ri-mix-dn3866-100', 'https://www.goat.com/sneakers/dunk-high-australia-dd139
9-300', 'https://www.goat.com/sneakers/dunk-low-court-purple-dd1391-104', 'h
ttps://www.goat.com/sneakers/air-jordan-12-retro-stealth-ct8013-015', 'http
s://www.goat.com/sneakers/dunk-low-ps-black-white-cw1588-100', 'https://www.
goat.com/sneakers/dunk-low-judge-grey-dj6188-200', 'https://www.goat.com/sne
akers/air-jordan-3-retro-dark-iris-ct8532-105', 'https://www.goat.com/sneake
rs/air-jordan-1-retro-high-og-stage-haze-555088-108', 'https://www.goat.com/
sneakers/dunk-low-retro-gym-red-dd1391-602', 'https://www.goat.com/sneakers/
dunk-low-next-nature-lilac-dn1431-103', 'https://www.goat.com/sneakers/air-v
apormax-2021-flyknit-monochrome-dh4084-100', 'https://www.goat.com/sneakers/
air-jordan-4-retro-red-thunder-ct8527-016', 'https://www.goat.com/sneakers/a
ir-jordan-5-retro-concord-dd0587-141', 'https://www.goat.com/sneakers/yeezy-
slides-bone-2022-re-release-fz5897', 'https://www.goat.com/sneakers/air-jord
an-3-retro-desert-ct8532-008', 'https://www.goat.com/sneakers/air-jordan-1-r
etro-high-og-yellow-toe-555088-711', 'https://www.goat.com/sneakers/wmns-550
-silver-birch-bbw550ws', 'https://www.goat.com/sneakers/blazer-mid-77-vintag

```

e-white-black-bq6806-100', 'https://www.goat.com/sneakers/dunk-low-retro-chlorophyll-dj6188-300', 'https://www.goat.com/sneakers/air-jordan-6-retro-georgetown-ct8529-012', 'https://www.goat.com/sneakers/jacquemus-x-air-humara-lx-sail-dr0420-001', 'https://www.goat.com/sneakers/wmns-dunk-low-light-violet-dd1503-116', 'https://www.goat.com/sneakers/dunk-low-ps-triple-pink-dh9756-600', 'https://www.goat.com/sneakers/wmns-dunk-low-medium-olive-dd1503-120', 'https://www.goat.com/sneakers/550-white-green-bb550wt1', 'https://www.goat.com/sneakers/air-jordan-13-retro-french-blue-414571-164', 'https://www.goat.com/sneakers/cars-x-classic-clog-lightning-mcqueen-205759-610', 'https://www.goat.com/sneakers/dunk-low-black-panda-dj6188-002', 'https://www.goat.com/sneakers/air-jordan-3-retro-gs-dark-iris-dm0967-105', 'https://www.goat.com/sneakers/dunk-low-usa-dd1391-400', 'https://www.goat.com/sneakers/air-jordan-1-mid-se-craft-inside-out-dm9652-100', 'https://www.goat.com/sneakers/comme-des-garcons-x-chuck-taylor-all-star-high-play-150204c', 'https://www.goat.com/sneakers/air-jordan-4-retro-infrared-dh6927-061', 'https://www.goat.com/sneakers/yeezy-boost-700-hi-res-blue-ho6674', 'https://www.goat.com/sneakers/dunk-high-i-got-next-dv2130-400', 'https://www.goat.com/sneakers/wmns-dunk-low-orange-paisley-dh4401-103', 'https://www.goat.com/sneakers/wmns-air-jordan-1-mid-se-cream-dark-chocolate-do6699-200', 'https://www.goat.com/sneakers/air-jordan-11-retro-cool-grey-2021-ct8012-005', 'https://www.goat.com/sneakers/air-jordan-6-retro-midnight-navy-2021-ct8529-141', 'https://www.goat.com/sneakers/550-white-black-bb550ha1', 'https://www.goat.com/sneakers/wmns-air-jordan-1-low-se-homage-dr0502-101', 'https://www.goat.com/sneakers/air-jordan-1-retro-high-og-patent-bred-555088-063', 'https://www.goat.com/sneakers/yeezy-boost-350-v2-pure-oat-hq6316', 'https://www.goat.com/sneakers/jacquemus-x-air-humara-lx-brown-dr0420-200', 'https://www.goat.com/sneakers/dunk-low-sb-los-angeles-dodgers-do9395-400', 'https://www.goat.com/sneakers/travis-scott-x-air-jordan-1-low-og-reverse-mocha-dm7866-162', 'https://www.goat.com/sneakers/wmns-air-jordan-1-high-og-denim-dm9036-104', 'https://www.goat.com/sneakers/wmns-air-jordan-1-low-marina-blue-dc0774-114', 'https://www.goat.com/sneakers/wmns-dunk-high-black-white-dd1869-103', 'https://www.goat.com/sneakers/dunk-low-world-champ-dr9511-100', 'https://www.goat.com/sneakers/air-jordan-11-retro-low-72-10-av2187-001', 'https://www.goat.com/sneakers/yeezy-450-utility-black-hq3665', 'https://www.goat.com/sneakers/wmns-dunk-low-disrupt-2-pale-ivory-dh4402-101', 'https://www.goat.com/sneakers/dunk-low-td-triple-pink-dh9761-600', 'https://www.goat.com/sneakers/wmns-air-jordan-4-retro-canvas-dq4909-100', 'https://www.goat.com/sneakers/air-jordan-11-retro-clear-black-ct8012-011', 'https://www.goat.com/sneakers/nba-x-dunk-low-emb-75th-anniversary-chicago-dd3363-100', 'https://www.goat.com/sneakers/dunk-low-se-lottery-pack-grey-fog-dr9654-001', 'https://www.goat.com/sneakers/air-max-97-triple-white-921826-101', 'https://www.goat.com/sneakers/air-jordan-7-retro-citrus-cu9307-081', 'https://www.goat.com/sneakers/air-jordan-1-mid-linen-554724-082', 'https://www.goat.com/sneakers/dunk-low-team-red-dd1391-601', 'https://www.goat.com/sneakers/dunk-low-gs-wolf-grey-dh9765-001', 'https://www.goat.com/sneakers/dunk-low-washed-teal-snakeskin-dr8577-300', 'https://www.goat.com/sneakers/air-jordan-1-mid-gs-pinksicle-orange-dx3240-681', 'https://www.goat.com/sneakers/wmns-air-jordan-1-mid-alternate-bred-toe-bq6472-079', 'https://www.goat.com/sneakers/air-jordan-11-retro-low-ps-72-10-505835-001', 'https://www.goat.com/sneakers/dunk-low-racer-blue-dd1391-401', 'https://www.goat.com/sneakers/air-max-90-terrascapes-sail-dh2973-100', 'https://www.goat.com/sneakers/travis-scott-x-air-trainer-1-sp-wheat-dr7515-200', 'https://www.goat.com/sneakers/yeezy-boost-350-v2-onyx-hq4540', 'https://www.goat.com/sneakers/air-jordan-4-retro-black-cat-2020-cu1110-010', 'https://www.goat.com/sneakers/air-jordan-1-high-og-rebellionaire-555088-036', 'https://www.goat.com/sneakers/blazer-mid-77-vintage-white-cz1055-100', 'https://www.goat.com/sneakers/wmns-dunk-low-se-sun-club-multi-color-dq0265-100', 'https://www.goat.com/sneakers/air-jordan-1-retro-high-og-university-blue-555088-134', 'https://www.goat.com/sneakers/air-jordan-1-low-bred-toe-553558-612', 'https://www.goat.com/sneakers/dunk-low-ps-aura-clear-dh9756-401']

Get links and append to base url

In [4]:

```

1 trainer_list = []
2
3 for link in productlinks:
4     driver.get(link)
5
6     soup = BeautifulSoup(r.content, 'lxml')
7     name = driver.find_element("xpath", "/html/body/div[1]/div/main/div/div[2]/footer/c
8     try:
9         description = driver.find_element("xpath", "/html/body/div[1]/div/main/div/div[
10    except:
11        description="No description available"
12    trainer = {
13        'name': name,
14        'description': description
15    }
16    trainer_list.append(trainer)
17    print(trainer_list)

```

```

[{'name': "Air Jordan 1 Retro High OG 'Stealth'", 'description': 'The Air
Jordan 1 Retro High OG ‘Stealth’ applies an understated two-tone finish to
the sneaker that started it all. The all-leather build pairs a stark white
base with neutral grey accents on the perforated toe box, signature Swoosh,
and heel and collar overlay. The latter is branded with a retro Wings logo,
while a woven Nike Air tag graces the breathable nylon tongue. The high-top
rests on a rubber cupsole with an encapsulated Air-sole unit in the heel for
lightweight cushioning.'}]

```

```

[{'name': "Air Jordan 1 Retro High OG 'Stealth'", 'description': 'The Air
Jordan 1 Retro High OG ‘Stealth’ applies an understated two-tone finish to
the sneaker that started it all. The all-leather build pairs a stark white
base with neutral grey accents on the perforated toe box, signature Swoosh,
and heel and collar overlay. The latter is branded with a retro Wings logo,
while a woven Nike Air tag graces the breathable nylon tongue. The high-top
rests on a rubber cupsole with an encapsulated Air-sole unit in the heel for
lightweight cushioning.'}, {'name': "Dunk Low 'Black White'", 'description':
"The Nike Dunk Low ‘Black White’ also known as 'Panda' treats the retro model
to an essential two-tone color scheme that accentuates the sneaker’s clean
lines. developed by designer Peter Moore and responsible f

```

Import pandas and convert list into dataframe which then needs to be converted into a csv

In [5]:

```
1 import pandas as pd
```

In [6]:



```
1 df = pd.DataFrame(trainer_list, columns=["name", "description"])
2 df
```

Out[6]:

	name	description
0	Air Jordan 1 Retro High OG 'Stealth'	The Air Jordan 1 Retro High OG 'Stealth' appli...
1	Dunk Low 'Black White'	The Nike Dunk Low 'Black White' also known as ...
2	Air Max Penny 1 'Orlando' 2022	The 2022 edition of the Nike Air Max Penny 1 '...
3	Air Jordan 4 Retro PS 'Military Black'	No description available
4	Travis Scott x Air Jordan 1 Low OG TD 'Reverse...	Built for little feet, the Travis Scott x Air ...
...
95	Wmns Blazer Mid 77 Vintage 'White Black'	No description available
96	Wmns Dunk Low SE 'Sun Club'	The Nike women's Dunk Low SE 'Sun Club' update...
97	Air Jordan 1 Retro High OG 'University Blue'	The Air Jordan 1 Retro High OG 'University Blu...
98	Air Jordan 1 Low 'Bred Toe'	The Air Jordan 1 Low 'Bred Toe' showcases dist...
99	Dunk Low PS 'Aura Clear'	Built for little kids, the Nike Dunk Low PS 'A...

100 rows × 2 columns

In [7]:



```
1 df.to_csv('trainer.csv')
```

In [8]:



```
1 trainer_list
```

Out[8]:

```
[{'name': "Air Jordan 1 Retro High OG 'Stealth'",
  'description': 'The Air Jordan 1 Retro High OG ‘Stealth’ applies an understated two-tone finish to the sneaker that started it all. The all-leather build pairs a stark white base with neutral grey accents on the perforated toe box, signature Swoosh, and heel and collar overlay. The latter is branded with a retro Wings logo, while a woven Nike Air tag graces the breathable nylon tongue. The high-top rests on a rubber cupsole with an encapsulated Air-sole unit in the heel for lightweight cushioning.'},
 {'name': "Dunk Low 'Black White'",
  'description': "The Nike Dunk Low ‘Black White’ also known as 'Panda' treats the retro model to an essential two-tone color scheme that accentuates the sneaker’s clean lines, developed by designer Peter Moore and responsible for the shoe’s easy transition from the hardwood to the street. The leather upper combines a white base with contrasting black overlays that wrap around the toe and heel. On both the woven tongue tag and heel tab, Nike branding in white stands out in relief against a black backdrop."},
 {'name': "Air Max Penny 1 'Orlando' 2022",
```

In []:



```
1
```