```python
In [25]: import pandas as pd
         import requests
         from  bs4 import BeautifulSoup
```

```python
In [26]: url = 'https://www.hm.com/om/store-locator/netherlands/'
```

```python
In [27]: page = requests.get(url)
```

```python
In [28]: page.content
```

Out[28]: b'<!doctype html><html class="no-js swol" lang="en"><head><meta charset="UTF-8"><meta http-equiv="x-ua-compatible" content="ie=edge"><title>Store Locator Netherlands | H&M OM</title><meta name="viewport" content="width=device-width, initial-scale=1"><link rel="shortcut icon" type="image/x-icon" href="/nt-north/themes/nt/assets/images/favicons/favicon.ico"><link rel="apple-touch-icon-precomposed" href="/nt-north/themes/nt/assets/images/favicons/apple-touch-icon-precomposed.png" /><link rel="preload" href="/nt-north/themes/nt/assets/fonts/HMSans-Regular.woff2" as="font" type="font/woff2" crossorigin><link rel="preload" href="/nt-north/themes/nt/assets/fonts/HMSans-SemiBold.woff2" as="font" type="font/woff2" crossorigin><link rel="stylesheet" href="/nt-north/themes/nt/assets/theme.min.css?276068"><link rel="canonical" href="https://www.hm.com/om/store-locator/netherlands/"><link rel="alternate" href="https://www.hm.com/ge/store-locator/netherlands/" hreflang="en-ge" /><link rel="alternate" href="https://www.hm.com/is/store-locator/netherlands/" hreflang="en-is" /><link rel="alternate" href="https://www.hm.com/il/store-locator/netherlands/" hreflang="en-il" /><link rel="alternate" href="https://www.hm.com/rs/store-locator/netherlands/" hreflang="en-rs" /><link rel="alternate" href="https://www.hm.com/bh/store-locator/netherlands/" hreflang="en-bh" /><link rel="alternate" href="https://www.hm.com/jo/store-locator/netherlands/" hreflang="en-jo" /><link rel="alternate" href="https://www.hm.com/lb/store-locator/netherlands/" hreflang="en-lb" /><link rel="alternate" href="https://www.hm.com/om/store-locator/netherlands/" hreflang="en-om" /><link rel="alternate" href="https://www.hm.com/qa/store-locator/netherlands/" hreflang="en-qa" /><link rel="alternate" href="https://www.hm.com/co/store-locator/netherlands/" hreflang="en-co" /><link rel="alternate" href="https://www.hm.com/kz/store-locator/netherlands/" hreflang="en-kz" /><link rel="alternate" href="https://www.hm.com/th/store-locator/netherlands/" hreflang="en-th" /><link rel="alternate" href="https://www.hm.com/vn/store-locator/netherlands/" hreflang="en-vn" /><link rel="alternate" href="https://www.hm.com/eg/store-locator/netherlands/" hreflang="en-eg" /><link rel="alternate" href="https://www.hm.com/ma/store-locator/netherlands/" hreflang="en-ma" /><link rel="alternate" href="https://www.hm.com/ua/store-locator/netherlands/" hreflang="en-ua" /><link rel="alternate" href="https://www.hm.com/mx/store-locator/netherlands/" hreflang="es-mx" /><l

```python
In [29]: soup = BeautifulSoup(page.content, 'html.parser')
```

```python
In [30]: soup
```

Out[30]: <!DOCTYPE html>

<html class="no-js swol" lang="en"><head><meta charset="utf-8"/><meta content="ie=edge" http-equiv="x-ua-compatible"/><title>Store Locator Netherlands | H&M OM</title><meta content="width=device-width, initial-scale=1" name="viewport"/><link href="/nt-north/themes/nt/assets/images/favicons/favicon.ico" rel="shortcut icon" type="image/x-icon"/><link href="/nt-north/themes/nt/assets/images/favicons/apple-touch-icon-precomposed.png" rel="apple-touch-icon-precomposed"><link as="font" crossorigin="" href="/nt-north/themes/nt/assets/fonts/HMSans-Regular.woff2" rel="preload" type="font/woff2"/><link as="font" crossorigin="" href="/nt-north/themes/nt/assets/fonts/HMSans-SemiBold.woff2" rel="preload" type="font/woff2"/><link href="/nt-north/themes/nt/assets/theme.min.css?276068" rel="stylesheet"/><link href="https://www.hm.com/om/store-locator/netherlands/" rel="canonical"/><link href="https://www.hm.com/ge/store-locator/netherlands/" hreflang="en-ge" rel="alternate"><link href="https://www.hm.com/is/store-locator/netherlands/" hreflang="en-is" rel="alternate"><link href="https://www.hm.com/il/store-locator/netherlands/" hreflang="en-il" rel="alternate"><link href="https://www.hm.com/rs/store-locator/netherlands/" hreflang="en-rs" rel="alternate"><link href="https://www.hm.com/bh/store-locator/netherlands/" hreflang="en-bh" rel="alternate"/><link href="https://www.hm.com/jo/store-locator/netherlands/" hreflang="en-jo" rel="alternate"/><link href="https://www.hm.com/lb/store-locator/netherlands/" hreflang="en-lb" rel="alternate"/><link href="https://www.hm.com/om/store-locator/netherlands/" hreflang="en-om" rel="alternate"/><link href="https://www.hm.com/qa/store-locator/netherlands/" hreflang="en-qa" rel="alternate"/><link href="https://www.hm.com/co/store-locator/netherlands/" hreflang="en-co" rel="alternate"/><link href="https://www.hm.com/kz/store-locator/netherlands/" hreflang="en-kz" rel="alternate"/><link href="https://www.hm.com/th/store-locator/netherlands/" hreflang="en-th" rel="alternate"/><link href="https://www.hm.com/vn/store-locator/netherlands/" hreflang="en-vn" rel="alternate"/><link href="https://www.hm.com/eg/store-locator/netherlands/" hreflang="en-eg" rel="alternate"/><link href="https://www.hm.com/ma/store-locator/netherlands/" hreflang="en-ma" rel="alternate"/><link href="https://www.hm.com/ua/store-locator/netherlands/" hreflang="en-ua" rel="al

```python
In [31]: questionanswer = soup.findAll(attrs = {'class' : 'content'})
```

```python
In [32]: stores = questionanswer[0].findAll(attrs = {'class': 'store-dropdown'})

         def parseOpeningHour(line):
             tds = line.findAll('td')
             day = tds[0].text.strip()
             hours = tds[1].text.strip().split(' - ')

             return { 'day': day, 'opensAt': hours[0], 'closesAt': hours[1] }

         def parseException(line):
             tds = line.findAll('td')
             date = tds[0].text.strip()
             exception = tds[1].text.strip()

             return { 'date': date, 'exception': exception }

         def parseStore(store):
             exceptions = store.find(attrs = { 'class': 'opening-hours-exceptions' })

             return {
                 'name': store.find('h3').text,
                 'address': store.find('p').text,
                 'openingHours': [
                     parseOpeningHour(line)
                     for line in store.find(attrs = { 'class': 'opening-hours' }).findAll('tr')
                 ],
                 'exceptions': [] if exceptions == None else [parseException(line) for line in exceptions.findAll('tr')]
             }

         storeTable = [parseStore(store) for store in stores]
```

```
In [33]: storeTable
```
```
           'exceptions': [{'date': '2021-12-26', 'exception': '12:00 – 17:00'}]},
         {'name': 'H&M Almere',
          'address': '1315 VN Almere',
          'openingHours': [{'day': 'Mon', 'opensAt': '11:00', 'closesAt': '17:00'},
            {'day': 'Tue', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Wed', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Thu', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Fri', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Sat', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Sun', 'opensAt': '11:00', 'closesAt': '17:00'}],
          'exceptions': []},
         {'name': 'H&M Alphen a/d Rijn',
          'address': '2405 DB Alphen a/d Rijn',
          'openingHours': [{'day': 'Mon', 'opensAt': '12:00', 'closesAt': '17:00'},
            {'day': 'Tue', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Wed', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Thu', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Fri', 'opensAt': '10:00', 'closesAt': '17:00'},
            {'day': 'Sat', 'opensAt': '10:00', 'closesAt': '17:00'}],
          'exceptions': []}
```

```
In [49]: text_mining = questionanswer[0].text
```

```
In [50]: text_mining
```
```
ursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet direc
tionsH&M Amsterdam Flagship store1012XC AmsterdamOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00
– 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsH&M Amsterdam Leidseplein1017 PR AmsterdamOpening HoursMon11:00 – 17:00
Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsH&M Amsterdam
Noord1025 ET AmsterdamOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun
11:00 – 17:00Store pageGet directionsH&M Amsterdam Osdorp1068SR AmsterdamOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00
Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsH&M Amsterdam Zuidoost1102 DB AmsterdamOpening
HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Store pageGet directionsH&M HOME
Amsterdam1012 PK AmsterdamOpening HoursMon12:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:0
0Sun12:00 – 17:00Store pageGet directionsH&M amsterdam Oostpoort1093NH AmsterdamOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00
– 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsApeldoornH&M Apeldoorn7311 KG Apeldoorn
Opening HoursMon12:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat09:30 – 17:00Sun12:00 – 17:00Store pag
eGet directionsArnhemH&M Arnhem6811 ET ArnhemOpening HoursMon11:00 – 17:00Tue09:30 – 17:00Wed09:30 – 17:00Thu09:30 – 17:00Fri09:30 – 1
7:00Sat09:30 – 17:00Sun12:00 – 17:00Store pageGet directionsH&M Arnhem Kronenburg6831 ES ArnhemOpening HoursMon12:00 – 17:00Tue10:00 –
17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun12:00 – 17:00Store pageGet directionsAssenH&M Assen9401 DM Ass
enOpening HoursMon12:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Exception dates2021-12-
26 12:00 – 17:00Store pageGet directionsBergen op ZoomH&M Bergen op Zoom4611 ML Bergen op ZoomOpening HoursMon12:00 – 17:00Tue09:30 –
17:00Wed09:30 – 17:00Thu09:30 – 17:00Fri09:30 – 17:00Sat09:30 – 17:00Store pageGet directionsBeverwijkH&M Beverwijk1941 EK BeverwijkOp
ening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Store pageGet directionsBre
daH&M Breda4811 JH BredaOpening HoursMon12:00 – 17:00Tue09:30 – 17:00Wed09:30 – 17:00Thu09:30 – 17:00Fri09:30 – 17:00Sat09:30 – 17:00S
```

```
In [51]: store_mining = questionanswer[-1].text
```

```
In [52]: store_mining
```
```
Out[52]: 'Stores in NetherlandsAlkmaarH&M Alkmaar1811 JJ AlkmaarOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fr
i10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsAlmeloH&M Almelo7607 HR AlmeloOpening HoursMon12:00 – 17:00Tue1
0:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Exception dates2021-12-26 12:00 – 17:00Store pageGet direc
tionsAlmereH&M Almere1315 VN AlmereOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:
00 – 17:00Sun11:00 – 17:00Store pageGet directionsAlphen a/d RijnH&M Alphen a/d Rijn2405 DB Alphen a/d RijnOpening HoursMon12:00 – 17:
00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Store pageGet directionsAmersfoortH&M Amersfoort3811
DC AmersfoortOpening HoursMon12:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun12:00 – 1
7:00Store pageGet directionsAmstelveenH&M Amstelveen1181 ZL AmstelveenOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu
10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsAmsterdamH&M Amsterdam1012 NP AmsterdamOpening Ho
ursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet direc
tionsH&M Amsterdam Flagship store1012XC AmsterdamOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00
– 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsH&M Amsterdam Leidseplein1017 PR AmsterdamOpening HoursMon11:00 – 17:00
Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsH&M Amsterdam
Noord1025 ET AmsterdamOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun
11:00 – 17:00Store pageGet directionsH&M Amsterdam Osdorp1068SR AmsterdamOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00
Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Sun11:00 – 17:00Store pageGet directionsH&M Amsterdam Zuidoost1102 DB AmsterdamOpening
HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:00Store pageGet directionsH&M HOME
Amsterdam1012 PK AmsterdamOpening HoursMon12:00 – 17:00Tue10:00 – 17:00Wed10:00 – 17:00Thu10:00 – 17:00Fri10:00 – 17:00Sat10:00 – 17:0
0Sun12:00 – 17:00Store pageGet directionsH&M amsterdam Oostpoort1093NH AmsterdamOpening HoursMon11:00 – 17:00Tue10:00 – 17:00Wed10:00
```

```
In [53]: soup.find(attrs={'class': 'title is-4 is-size-5-touch'}).text.replace('\n'," ")
```
```
---------------------------------------------------------------------
AttributeError                        Traceback (most recent call last)
<ipython-input-53-2f02f1bc4c69> in <module>
----> 1 soup.find(attrs={'class': 'title is-4 is-size-5-touch'}).text.replace('\n'," ")

AttributeError: 'NoneType' object has no attribute 'text'
```

```
In [54]: store_information =  pd.DataFrame(storeTable, columns = ['name', 'address'])
```

```
In [55]: store_information
```

Out[55]:

	name	address
0	H&M Alkmaar	1811 JJ Alkmaar
1	H&M Almelo	7607 HR Almelo
2	H&M Almere	1315 VN Almere
3	H&M Alphen a/d Rijn	2405 DB Alphen a/d Rijn
4	H&M Amersfoort	3811 DC Amersfoort
...	...	...
88	H&M Zaandam	1506 CC Zaandam
89	H&M Zeist	3701 DK Zeist
90	H&M Zoetermeer	2711 AN Zoetermeer
91	H&M Zutphen	7201 CZ Zutphen
92	H&M Zwolle	8011 RD Zwolle

93 rows × 2 columns

```
In [56]: store_information_table = pd.DataFrame(storeTable)
```

```
In [57]: store_information_table
```

Out[57]:

	name	address	openingHours	exceptions
0	H&M Alkmaar	1811 JJ Alkmaar	[{'day': 'Mon', 'opensAt': '11:00', 'closesAt'...	[]
1	H&M Almelo	7607 HR Almelo	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[{'date': '2021-12-26', 'exception': '12:00 - ...
2	H&M Almere	1315 VN Almere	[{'day': 'Mon', 'opensAt': '11:00', 'closesAt'...	[]
3	H&M Alphen a/d Rijn	2405 DB Alphen a/d Rijn	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[]
4	H&M Amersfoort	3811 DC Amersfoort	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[]
...	...	...	...	...
88	H&M Zaandam	1506 CC Zaandam	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[]
89	H&M Zeist	3701 DK Zeist	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[]
90	H&M Zoetermeer	2711 AN Zoetermeer	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[]
91	H&M Zutphen	7201 CZ Zutphen	[{'day': 'Mon', 'opensAt': '13:00', 'closesAt'...	[{'date': '2021-12-26', 'exception': '12:00 - ...
92	H&M Zwolle	8011 RD Zwolle	[{'day': 'Mon', 'opensAt': '13:00', 'closesAt'...	[]

```
In [45]: df.to_csv("H&M.csv")
```

```
In [46]: pd.read_csv("H&M.csv").head()
```

Out[46]:

	Unnamed: 0	name	address	openingHours	exceptions
0	0	H&M Alkmaar	1811 JJ Alkmaar	[{'day': 'Mon', 'opensAt': '11:00', 'closesAt'...	[]
1	1	H&M Almelo	7607 HR Almelo	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[{'date': '2021-12-26', 'exception': '12:00 - ...
2	2	H&M Almere	1315 VN Almere	[{'day': 'Mon', 'opensAt': '11:00', 'closesAt'...	[]
3	3	H&M Alphen a/d Rijn	2405 DB Alphen a/d Rijn	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[]
4	4	H&M Amersfoort	3811 DC Amersfoort	[{'day': 'Mon', 'opensAt': '12:00', 'closesAt'...	[]

```
In [47]: df.to_csv("H&Mstoresloc.csv")
```