

Importing all necessary Pacakges

```
In [1]: import pandas as pd
import requests
import html5lib
from bs4 import BeautifulSoup
from tabulate import tabulate
import numpy as np
```

Getting data from this url and reading table with help of pandas library and save as dfs.

```
In [2]: url = "https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M"
dfs = pd.read_html(url)
```

```
In [3]: df = dfs[0]
df.head()
```

Out[3]:

	Postal Code	Borough	Neighbourhood
0	M1A	Not assigned	Not assigned
1	M2A	Not assigned	Not assigned
2	M3A	North York	Parkwoods
3	M4A	North York	Victoria Village
4	M5A	Downtown Toronto	Regent Park, Harbourfront

Renameing columns name

```
In [4]: df.columns=[ 'PostalCode', 'Borough', 'Neighbourhood' ]
```

Cleaning data

Not assigned in column get replace by nan with help of numpy library and then dropping that row at last reset the index

```
In [21]: df = df.replace( 'Not assigned', np.nan ).dropna(axis=1, how='all')
df= df.dropna()
df=df.reset_index(drop=True)
df
```

Out[21]:

	PostalCode	Borough	Neighbourhood
0	M3A	North York	Parkwoods
1	M4A	North York	Victoria Village
2	M5A	Downtown Toronto	Regent Park, Harbourfront
3	M6A	North York	Lawrence Manor, Lawrence Heights
4	M7A	Downtown Toronto	Queen's Park, Ontario Provincial Government
...
98	M8X	Etobicoke	The Kingsway, Montgomery Road, Old Mill North
99	M4Y	Downtown Toronto	Church and Wellesley
100	M7Y	East Toronto	Business reply mail Processing Centre, South C...
101	M8Y	Etobicoke	Old Mill South, King's Mill Park, Sunnylea, Hu...
102	M8Z	Etobicoke	Mimico NW, The Queensway West, South of Bloor,...

103 rows × 3 columns

```
In [20]: df.head(12)
```

Out[20]:

	PostalCode	Borough	Neighbourhood
0	M3A	North York	Parkwoods
1	M4A	North York	Victoria Village
2	M5A	Downtown Toronto	Regent Park, Harbourfront
3	M6A	North York	Lawrence Manor, Lawrence Heights
4	M7A	Downtown Toronto	Queen's Park, Ontario Provincial Government
5	M9A	Etobicoke	Islington Avenue, Humber Valley Village
6	M1B	Scarborough	Malvern, Rouge
7	M3B	North York	Don Mills
8	M4B	East York	Parkview Hill, Woodbine Gardens
9	M5B	Downtown Toronto	Garden District, Ryerson
10	M6B	North York	Glencairn
11	M9B	Etobicoke	West Deane Park, Princess Gardens, Martin Grov...

Shape of table

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In [6]: df.shape
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Out[6]: (103, 3)

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