In [17]:
```
pip install geopy
```

Requirement already satisfied: geopy in c:\users\vaishanavi\onedrive\document
s\python\lib\site-packages (2.4.0)
Requirement already satisfied: geographiclib<3,>=1.52 in c:\users\vaishanavi
\onedrive\documents\python\lib\site-packages (from geopy) (2.0)
Note: you may need to restart the kernel to use updated packages.

In [18]:
```python
from geopy.geocoders import Nominatim
```

In [31]:
```python
geolocator = Nominatim(user_agent="geoExercises")
```

In [47]:
```python
location = geolocator.geocode("Lonavala")
```

In [48]:
```python
print("The latitude of the location is:",location.latitude)
print("The longitude of the location is: ",location.longitude)
```

The latitude of the location is: 18.7548563
The longitude of the location is: 73.4016729

In [45]:
```
pip install folium
```

Requirement already satisfied: folium in c:\users\vaishanavi\onedrive\documen
ts\python\lib\site-packages (0.14.0)
Requirement already satisfied: branca>=0.6.0 in c:\users\vaishanavi\onedrive
\documents\python\lib\site-packages (from folium) (0.6.0)
Requirement already satisfied: jinja2>=2.9 in c:\users\vaishanavi\appdata\roa
ming\python\python311\site-packages (from folium) (3.1.3)
Requirement already satisfied: numpy in c:\users\vaishanavi\appdata\roaming\p
ython\python311\site-packages (from folium) (1.26.4)
Requirement already satisfied: requests in c:\users\vaishanavi\appdata\roamin
g\python\python311\site-packages (from folium) (2.31.0)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\vaishanavi\appdata
\roaming\python\python311\site-packages (from jinja2>=2.9->folium) (2.1.5)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\vaishanav
i\appdata\roaming\python\python311\site-packages (from requests->folium) (3.
3.2)
Requirement already satisfied: idna<4,>=2.5 in c:\users\vaishanavi\appdata\ro
aming\python\python311\site-packages (from requests->folium) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\vaishanavi\appd
ata\roaming\python\python311\site-packages (from requests->folium) (1.26.16)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\vaishanavi\appd
ata\roaming\python\python311\site-packages (from requests->folium) (2024.2.2)
Note: you may need to restart the kernel to use updated packages.

In [39]:
```python
import folium
```

In [40]:
```python
map = folium.Map(location=[18.7548563,73.4016729], zoom_start=13)
```

In [41]:
```python
point = [18.7548563,73.4016729]
mylocation = folium.Marker(point, popup='My City', icon=folium.Icon()).add_to(
```

In [46]:
```python
mylocation.save("location.html")
```