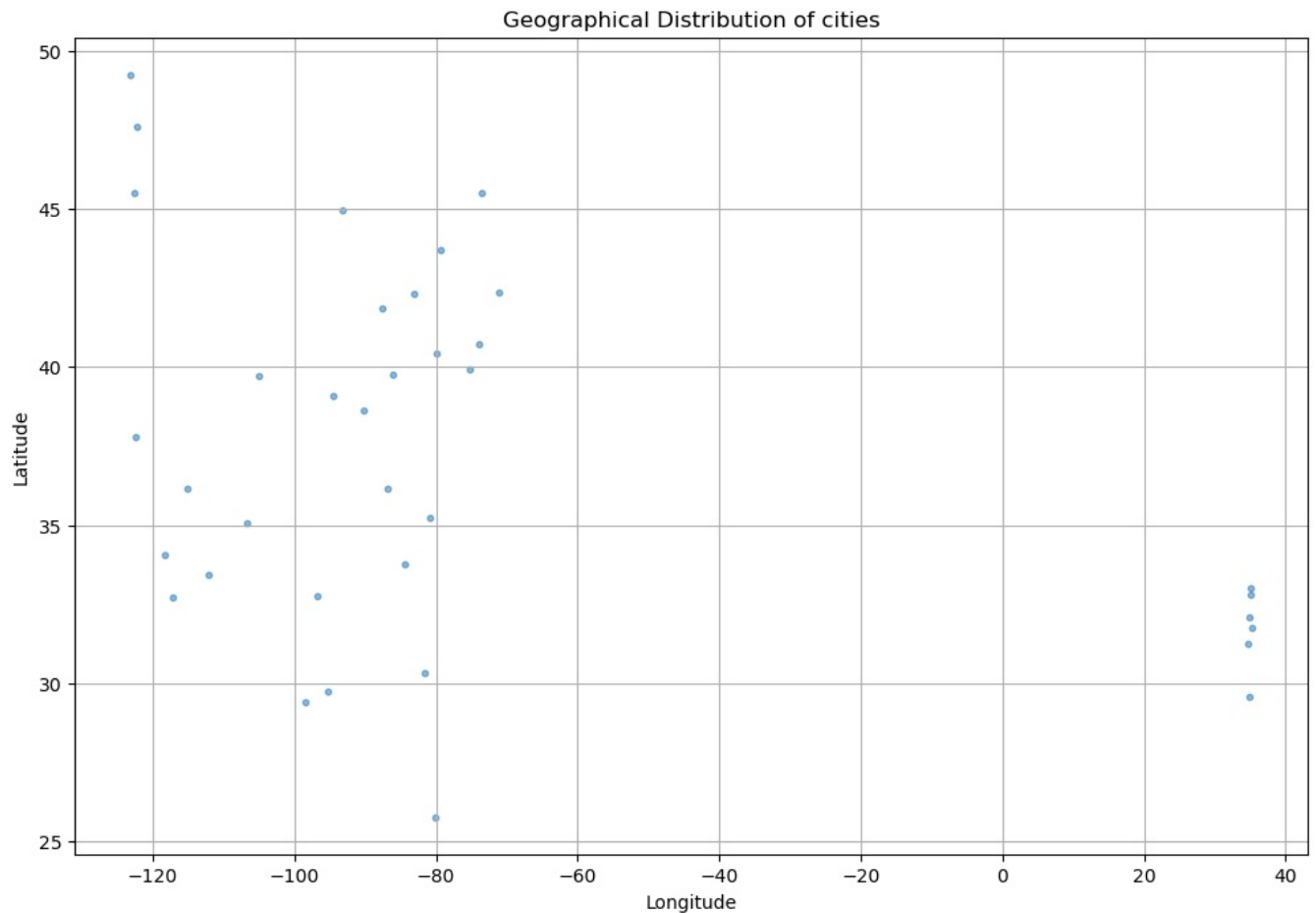


```
In [ ]: import pandas as pd
import matplotlib.pyplot as plt
city_data=pd.read_csv(r'C:\Users\nalla\Desktop\projects\city_attributes.csv')
print(city_data)
example_Latitude=60.7128
example_Longitude=-74.0000
filtered_city_data = city_data[(city_data['Latitude']==example_Latitude)&(city_data['Longitude']==example_Longi
print(filtered_city_data)
plt.figure(figsize=(10,6))
plt.plot(city_data['Latitude'],city_data['Longitude'],'o',markersize=5,label='Cities')
plt.plot(example_Latitude,example_Longitude,'ro',markersize=8,label='Example Location')
plt.title('Latitude vs Longitude')
plt.xlabel('Latitude')
plt.ylabel('Longitude')
plt.legend()
plt.show()
```

```
In [7]: import pandas as pd
import matplotlib.pyplot as plt
city_data=pd.read_csv(r'C:\Users\nalla\Desktop\projects\city_attributes.csv')
plt.figure(figsize=(12,8))
plt.scatter(city_data['Longitude'],city_data['Latitude'],marker='o',s=10,alpha=0.5)
plt.title('Geographical Distribution of cities')
plt.xlabel('Longitude')
plt.ylabel('Latitude')
plt.grid()
plt.show()
```



```
In [ ]:
```