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import requests
import json
import folium
import turtle
import time

# Create a folium map
world_map = folium.Map()

# Create a feature group for the ISS location marker
iss_location = folium.FeatureGroup(name='ISS Location')

# Set up the API URL
url = 'http://api.open-notify.org/iss-now.json'

# Set the time interval and limit for fetching data (tracking the location for every 1 seconds in a minute)
interval = 1 # seconds

limit = 60 # seconds

# Set the start time for data fetching
start_time = time.time()

# Fetch and plot data until the time limit is reached
while time.time() - start_time < limit:

    # Fetch data from the API
    response = requests.get(url)
    data = json.loads(response.text)

    # Extracting the longitude and latitude values from the map
    longitude = float(data['iss_position']['longitude'])
    latitude = float(data['iss_position']['latitude'])

    # Adding a marker to the feature group on world map
    iss_location.add_child(folium.Marker(location=[latitude, longitude]))

    # Add the feature group to the map
    iss_location.add_to(world_map)

    # Display the map
    display(world_map)

    # Wait for the specified time interval before fetching the next data
    time.sleep(1)
```



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